

LANTRONIX INC
Form 10-K
August 23, 2018

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UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 10-K

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended June 30, 2018

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission File Number 1-16027

LANTRONIX, INC.

(Exact name of registrant as specified in its charter)

Delaware

33-0362767

(State or other jurisdiction of incorporation or organization) (I.R.S. Employer Identification No.)

7535 Irvine Center Drive, Suite 100, Irvine, California 92618

(Address of principal executive offices)

(949) 453-3990

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

<u>Title of each class</u>	<u>Name of each exchange on which registered</u>
Common Stock, \$0.0001 par value	The NASDAQ Stock Market LLC

Securities registered pursuant to Section 12(g) of the Act: None.

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

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Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§ 229.405 of this chapter) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer", "smaller reporting company", and "emerging growth company" in Rule 12b-2 of the Exchange Act. (Check one)

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company
Emerging growth company

If an emerging growth company, indicate by check mark if the Registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

The aggregate market value of the registrant's common stock held by non-affiliates based upon the closing sales price of the common stock as reported by the NASDAQ Capital Market on December 29, 2017, the last trading day of the registrant's second fiscal quarter, was approximately \$16,789,000. The determination of affiliate status for this purpose shall not be a conclusive determination for any other purpose.

As of August 17, 2018, there were 18,944,698 shares of the registrant's common stock outstanding.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's definitive Proxy Statement on Schedule 14A relating to the registrant's 2018 annual meeting of stockholders, which will be filed with the Securities and Exchange Commission within 120 days after the end of the fiscal year covered by this Annual Report on Form 10-K, are incorporated by reference into Part III of this Annual Report on Form 10-K. With the exception of the portions of the Proxy Statement specifically incorporated herein by reference, the Proxy Statement and related proxy solicitation materials are not deemed to be filed as part of this Annual Report on Form 10-K.

LANTRONIX, INC.

ANNUAL REPORT ON FORM 10-K

For the Fiscal Year Ended June 30, 2018

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* Not required for a “smaller reporting company.”

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This Annual Report on Form 10-K for the fiscal year ended June 30, 2018, or this Report, contains forward-looking statements within the meaning of the federal securities laws, which statements are subject to substantial risks and uncertainties. These forward-looking statements are intended to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. All statements other than statements of historical fact included in this Report, or incorporated by reference into this Report, are forward-looking statements. Throughout this Report, we have attempted to identify forward-looking statements by using words such as “may,” “believe,” “will,” “could,” “project,” “anticipate,” “expect,” “estimate,” “should,” “continue,” “potential,” “plan,” “forecasts,” “goal,” “seek,” “intend,” or other words or similar words or expressions or the negative thereof. In particular, this Report contains forward-looking statements relating to, among other things:

- predictions about our earnings, revenues, margins, expenses or other financial matters;
- forecasts of our financial condition, results of operations, liquidity position, or working capital requirements;
- the impact of changes to our share-based awards and any related changes to our share-based compensation expenses;
- the impact of future offerings and sales of our debt or equity securities;
- the impact of changes in our relationship with our customers;
- plans or expectations with respect to our product development activities, business strategies or restructuring and expansion activities;
- demand and growth of the market for our products or for the products of our competitors;
- the impact of pending litigation, including outcomes of such litigation;
- the impact of our response to and implementation of recent accounting pronouncements and changes in tax laws on our consolidated financial statements and the related disclosures;
- unexpected changes in regulatory requirements, taxes, trade laws and tariffs;
- our ability to comply with certain financial obligations in our loan agreement;
- sufficiency of our internal controls and procedures;
- expectations and results related to our plans to realign and reallocate our personnel and other resources; and
- assumptions or estimates underlying any of the foregoing.

We have based our forward-looking statements on management’s current expectations and projections about trends affecting our business and industry and other future events. Although we do not make forward-looking statements unless we believe we have a reasonable basis for doing so, we cannot guarantee their accuracy. Forward-looking statements are subject to substantial risks and uncertainties that could cause our future business, financial condition, results of operations or performance to differ materially from our historical results or those expressed or implied in any forward-looking statement contained in this Report. Some of the risks and uncertainties that may cause actual results to differ from those expressed or implied in the forward-looking statements are described in “Risk Factors” included in Part I, Item 1A of this Report, as well as in our other public filings with the Securities and Exchange Commission, or the SEC. In addition, actual results may differ as a result of additional risks and uncertainties of which we are currently unaware or which we do not currently view as material to our business.

You should read this Report in its entirety, together with the documents that we file as exhibits to this Report and the documents that we incorporate by reference into this Report, with the understanding that our future results may be materially different from what we currently expect. The forward-looking statements we make speak only as of the date on which they are made. We expressly disclaim any intent or obligation to update any forward-looking statements after the date hereof to conform such statements to actual results or to changes in our opinions or expectations, except as required by applicable law or the rules of The Nasdaq Stock Market, LLC. If we do update or correct any forward-looking statements, investors should not conclude that we will make additional updates or corrections.

We qualify all of our forward-looking statements by these cautionary statements.

PART I

ITEM 1. BUSINESS

Overview

Lantronix, Inc., which we refer to herein as the Company, Lantronix, we, our, or us, is a global provider of secure data access and management solutions for Internet of Things, or IoT, assets. Our mission is to be the leading supplier of IoT solutions that enable companies to simplify the creation, deployment, and management of IoT projects while providing secure access to data for applications and people.

With more than 25 years of experience in creating information technology, or IT, management and machine to machine, or M2M, technologies, Lantronix is an innovator in enabling our customers to build new business models and realize the possibilities of the IoT. Our connectivity solutions are deployed inside millions of machines and data centers serving a wide range of industries, including medical, security, industrial, transportation, retail, financial, environmental and government.

We were incorporated in California in 1989 and reincorporated in Delaware in 2000.

References in this Report to “fiscal 2018” refer to the fiscal year ended June 30, 2018 and references to “fiscal 2017” refer to the fiscal year ended June 30, 2017.

Our Strategy

Today, more and more companies are seeking to connect their machines and electronic devices to the Internet, to manage them remotely, and to create new business models. The growth in the IoT market is being driven by the growing importance of data, and the rapidly falling cost of sensors, connectivity, computing and storage. While the promise of IoT is great, many companies find designing and deploying an IoT project to be complex, costly and time-consuming.

Our strategy is to leverage our networking and software development expertise to develop technologies that make it easier for our customers to participate in the IoT. We are primarily focused on the following market transitions:

- the increasing role of wireless networks for IoT communication;
 - the desire to remotely access, monitor and manage machines and IT infrastructure assets; and
- the increasing importance of security in IoT deployments.

We are addressing the IoT market opportunity and the transitions above with a combination of hardware and software solutions that will combine our portfolio of robust and secure networking technologies with new advanced data access, management, and security features for industrial IoT assets. Our offerings are designed to help companies to simplify and speed their IoT deployments, reduce complexity and development costs associated with web-scale application development and assist them in creating value-added business models.

We have continued to dedicate significant engineering resources to our MACH10[®] management software platform and ready-to-use applications that are intended to address the markets' need for cloud-based centralized management of IoT and IT assets. During the past fiscal year, we introduced a number of ready-to-use applications as well as software-as-a-service, or SaaS, offerings for both IoT and IT product lines, including Lantronix Gateway Central, MACH10 Global Device Manager, and ConsoleFlow[™]. Lantronix Gateway Central is a cloud-based SaaS offering that allows device manufacturers, system integrators and end users to remotely monitor and manage deployed Lantronix IoT Gateways (which are further described below). MACH10 Global Device Manager is a ready-to-use industrial IoT application that enables device manufacturers to integrate IoT device lifecycle management for remote monitoring and management for their connected devices. ConsoleFlow is a centralized IT infrastructure management and monitoring software optimized for out-of-band networks, designed to provide network resilience and ensure connectivity even when primary connections fail – and especially in data centers and at remote sites where network availability is essential to business continuity. These software offerings are in the early stages of evaluation and did not generate revenue during fiscal 2018.

Products and Solutions

We organize our products and solutions into three product lines: IoT, IT Management and Other.

IoT

Our IoT products typically connect to one or more existing machines, or are built into new industrial devices to provide network connectivity. Our products are designed to enhance the value and utility of machines by making the data from the machines available to users, systems and processes or by controlling their properties and features over the network.

Our IoT products currently consist of IoT Gateways and IoT Building Blocks. IoT Gateways are designed to provide secure connectivity and the ability to add integrated device management and advanced data access features. IoT Building Blocks provide basic secure machine connectivity and unmanaged data access.

Our IoT products may be embedded into new designs or attached to existing machines. Our IoT products include wired and wireless connections that enhance the value and utility of modern electronic systems and equipment by providing secure network connectivity, application hosting, protocol conversion, secure access for distributed IoT deployments and many other functions. Many of the products are offered with software tools intended to further accelerate our customer's time-to-market and increase their value add.

Most of our IoT products are pre-certified in a number of countries thereby significantly reducing our original equipment manufacturer, or OEM, customers' regulatory certification costs and accelerating their time to market.

The following product families are included in our IoT product line: EDS, EDS-MD, PremierWave® EN, PremierWave® XC, SGX™, UDS, WiPort®, xDirect®, xPico®, xPico® Wi-Fi, xPress™, XPort®, MACH10® Global Device Manager and Lantronix Gateway Central.

IT Management

Today, organizations are managing an ever-increasing number of devices and data on enterprise networks where 24/7 reliability is mission critical. Out-of-band management is a technique that uses a dedicated management network to access critical network devices to ensure management connectivity (including the ability to determine the status of any network component) independent of the status of other in-band network components. Remote out-of-band access allows organizations to effectively manage their enterprise IT resources and at the same time, optimize their IT support resources. Our vSLM™, a virtualized central management software solution, simplifies secure administration of our IT management products and the equipment attached to them through a standard web browser.

Our IT Management product line includes console management, power management, and keyboard-video-mouse (commonly referred to as a KVM) products that provide remote access to IT and networking infrastructure deployed in test labs, data centers, branch offices and server rooms.

The following product families are included in our IT Management product line: SLB™, SLC™ 8000, Spider™, ConsoleFlow and vSLM™.

Other

We categorize products that are non-focus or end-of-life as Other. Our Other product line includes non-focus products such as the xPrintServer®. In addition, this product line includes end-of-life versions of our MatchPort®, SLC™, SLP™, xPress Pro, xSenso®, PremierWave® XN, and WiBox product families.

Net Revenue by Product Line

We have one operating and reportable business segment. A summary of our net revenue by product line is found in “Management’s Discussion and Analysis of Financial Condition and Results of Operations” included in Part II, Item 7 of this Report, which is incorporated herein by reference. A discussion of factors potentially affecting our net revenue and other operating results is set forth in “Risk Factors” included in Part I, Item 1A of this Report, which is incorporated herein by reference.

Sales Cycle

Our embedded IoT solutions are typically used by OEMs, original design manufacturers, or ODMs, and contract manufacturers. OEMs design and sell products under their own brand that are either manufactured by the OEM in-house or by third-party contract manufacturers. ODMs design and manufacture products for third parties, which then sell those products under the third parties' brands. The design cycles using our embedded solutions typically range from nine to 24 months and can generate revenue for the entire life-cycle of an end user's product.

Our IT Management product line and external IoT solutions are typically sold to end users through value added resellers, or VARs, systems integrators, distributors, online retailers and, to a lesser extent, OEMs. The design cycles for our IT Management products generally range from three to 18 months and are often project-based.

Sales Channels

Distributors

A majority of our sales are made through distributors. Distributors resell our products to a wide variety of resellers and end customers including OEMs, ODMs, VARs, systems integrators, consumers, online retailers, IT resellers, corporate customers and government entities.

Resellers

Our products are sold by industry-specific system integrators and VARs, who often obtain our products from our distributors. Additionally, our products are sold by direct market resellers such as CDW, ProVantage, and Amazon.com.

Direct Sales

We sell many products directly to larger OEMs and end users. We also maintain an ecommerce site for direct sales.

Sales and Marketing

We sell our products primarily through an internal sales force, which includes regional sales managers, inside sales personnel and field applications engineers in major regions throughout the world. This team manages our relationships with our partners and end users, identifies and develops new sales opportunities and increases penetration at existing accounts. We implement marketing programs, tools and services, including displaying our products at industry-specific events, to generate sales leads and increase demand for our products.

Manufacturing

Our manufacturing operations are primarily conducted through third-party contract manufacturers. We utilize AsteelFlash Group and Hana Microelectronics, both primarily located in China, as our contract manufacturers for most of our products. In addition, we use eSilicon Corporation to manage Taiwan Semiconductor Manufacturing Company, Ltd., a third-party foundry located in Taiwan, which manufactures our large-scale integration chips. We manufacture certain products with final assembly in the U.S. to meet trade compliance requirements.

Our contract manufacturers source raw materials, components and integrated circuits, in accordance with our specifications and forecasts, and perform printed circuit board assembly, final assembly, functional testing and quality control. Our products are manufactured and tested to our specifications with standard and custom components. Many of these components are available from multiple vendors. However, we have several single-sourced supplier relationships, either because alternative sources are not available or because the relationship is advantageous to us.

Research and Development

Our research and development efforts are focused on the development of hardware and software technology to differentiate our products and enhance our competitive position in the markets we serve. Product research and development is primarily performed in-house and supplemented with outsourced resources.

The following table presents our research and development expenses:

	Years Ended	
	June 30,	
	2018	2017
	(In	
	thousands)	
Research and development expenses	\$8,065	\$7,960

Competition

Our industry is highly competitive and characterized by rapid technological advances and evolving industry standards. The market can be affected significantly by new product introductions and marketing activities of industry participants. We believe that we compete for customers based on product features, software capabilities, company reputation, brand recognition, technical support, relationships with partners, quality, reliability, product development capabilities, price and availability. A discussion of factors potentially affecting our ability to compete in the markets in which we operate is set forth in “Risk Factors” included in Part I, Item 1A of this Report, which is incorporated herein by reference.

Intellectual Property Rights

We believe that a considerable portion of our value resides in our intellectual property. We have developed proprietary methodologies, tools, processes and software in connection with delivering our products and services. We protect our intellectual property through a combination of patents, copyrights, trademarks, trade secrets, licenses, non-disclosure agreements and contractual provisions. We enter into a non-disclosure and confidentiality agreement with each of our

employees, consultants and third parties that have access to our proprietary technology. Pursuant to assignment of inventions agreements, all of our employees and consultants assign to us all intellectual property rights for the relevant inventions created in connection with such person's employment or contract with us. We currently hold U.S. and international patents covering various aspects of our products, with additional patent applications pending.

U.S. and Foreign Government Regulation

Many of our products are subject to certain mandatory regulatory approvals in the regions in which our products are deployed. In particular, wireless products must be approved by the relevant government authority prior to these products being offered for sale. In addition, certain jurisdictions have regulations requiring products to use environmentally friendly components. Some of our products employ security technology, which is subject to various U.S. export restrictions.

Employees

As of July 31, 2018, we had 147 full time employees, none of whom is represented by a labor union. We have not experienced any labor problems resulting in a work stoppage and believe we have good relationships with our employees.

Customer and Geographic Concentrations

We conduct our business globally and manage our sales teams by three geographic regions: the Americas; Europe, Middle East, and Africa, or EMEA; and Asia Pacific Japan. A discussion of sales to our significant customers and related parties, sales within geographic regions as a percentage of net revenue and sales to significant countries as a percentage of net revenue is set forth in Note 9 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this Report, which is incorporated herein by reference. A discussion of factors potentially affecting our customer and geographic concentrations is set forth in “Risk Factors” included in Part I, Item 1A of this Report, which is incorporated herein by reference.

Available Information

Our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, Proxy Statements on Schedule 14A and other reports and information that we file or furnish pursuant to the Securities Exchange Act of 1934, as amended, or the Exchange Act, are available free of charge on our website at www.lantronix.com as soon as reasonably practicable after filing or furnishing such reports with the SEC. The public may read and copy any materials we file with the SEC at the SEC’s Public Reference Room at 100 F Street, NE, Washington, DC 20549. The public may obtain information on the operation of the Public Reference Room by calling 1-800-SEC-0330. The SEC also maintains a website at www.sec.gov that contains reports, proxy and information statements, and other information regarding issuers that file electronically. Our audit committee charter, corporate governance and nominating committee charter, and compensation committee charter are also posted on our website at www.lantronix.com under “Investor Relations.” The contents of our website are not incorporated by reference into this Report. References to our website address in this Report are inactive textual references only.

Executive Officers of the Registrant

Executive officers serve at the discretion of our board of directors. There are no family relationships between any of our directors or executive officers. The following table presents the names, ages, and positions held by our executive officers:

Name	Age	Position
Jeffrey W. Benck	53	President and Chief Executive Officer
Jeremy R. Whitaker	47	Chief Financial Officer
Daryl R. Miller	57	Vice President of Engineering (<i>Retiring effective September 7, 2018</i>)
Kevin M. Yoder	54	Vice President of Worldwide Sales

JEFFREY W. BENCK has served as our President, Chief Executive Officer and as a member of our board of directors since December 2015. Mr. Benck served as president and chief executive officer of Emulex Corporation, a global supplier of advanced networking, monitoring and management solutions, from July 2013 until Emulex was acquired by Avago Technologies in May 2015. He joined Emulex in May 2008 as executive vice president and chief operating officer and was subsequently appointed to president and chief operating officer in August 2010. Prior to joining Emulex, Mr. Benck was president and chief operating officer of QLogic Corporation, a supplier of storage networking solutions. Prior to that, he spent 18 years at IBM Corporation where he held a variety of executive leadership roles, including serving as vice president of xSeries, BladeCenter and Retail Store Solutions development. Mr. Benck holds a Bachelor of Science degree in mechanical engineering from Rochester Institute of Technology and a Master of Science degree in management of technology from University of Miami.

JEREMY R. WHITAKER has served as our Chief Financial Officer since September 2011. Mr. Whitaker returned to Lantronix after serving as vice president, corporate controller at Mindspeed from January 2011 to September 2011. Mr. Whitaker previously served as our Vice President of Finance and Accounting from September 2010 to January 2011, where he was responsible for managing all worldwide finance and accounting functions. Mr. Whitaker also served as our Senior Director of Finance and Accounting from February 2006 to September 2010 and our Director of Finance and Accounting from August 2005 to February 2006. Prior to August 2005, Mr. Whitaker held vice president and director level finance and accounting positions with two publicly-traded companies and worked in the assurance practice at Ernst & Young LLP for six years. Mr. Whitaker holds a Bachelor of Arts in business administration with a concentration in accounting from the California State University at Fullerton and a Master of Science degree in accountancy from the University of Notre Dame's Mendoza College of Business.

DARYL R. MILLER joined Lantronix in January 2000 and has served as our Vice President of Engineering since March 2008. Mr. Miller served as our Interim Vice President of Engineering from October 2007 to March 2008. Prior to this, Mr. Miller served in Director and Senior Director positions within our engineering department. Prior to joining Lantronix, Mr. Miller spent 14 years at Tektronix and held several positions within the microprocessor development and computer graphics/networking divisions, and as worldwide director of service and support for Network Computing Devices (commonly referred to as NCD). Mr. Miller holds a Bachelor of Science degree with honors in business information systems and Master of Business Administration from the University of California, Irvine, where he graduated Dean's Scholar and Beta Gamma Sigma. In August 2018, Mr. Miller notified us that he would retire from his position as Vice President of Engineering, effective as of September 7, 2018, at which time his employment with us will cease.

KEVIN M. YODER has served as our Vice President of Worldwide Sales since March 2016. Prior to joining Lantronix, Mr. Yoder served as vice president of sales for the Americas region at Avago Technologies (now Broadcom Limited), where he was responsible for driving more than \$1.3 billion in annual revenues. Prior to joining Avago, Mr. Yoder was vice president of worldwide sales for XMOS, a start-up semiconductor company. Prior to that, he held sales leadership positions at Analog Devices, Texas Instruments, and CoWare. Mr. Yoder holds a Bachelor of Science degree in electrical engineering from Notre Dame University.

ITEM 1A. RISK FACTORS

We operate in a rapidly changing environment that involves numerous risks and uncertainties. Before deciding to purchase, hold or sell our common stock, you should carefully consider the risks described in this section, as well as other information contained in this Report and in our other filings with the SEC. This section should be read in conjunction with the consolidated financial statements and accompanying notes thereto included in Item 8 of this Report, and "Management's Discussion and Analysis of Financial Condition and Results of Operations" included in Item 7 of this Report. If any of these risks or uncertainties actually occurs, our business, financial condition, results of operations or prospects could be materially harmed. In that event, the market price for our common stock could decline and you could lose all or part of your investment. In addition, risks and uncertainties not presently known to us or that we currently deem immaterial may also adversely affect our business.

Certain of our products are sold into mature markets, which could limit our ability to continue to generate revenue from these products. Our ability to sustain and grow our business depends on our ability to develop, market, and sell new products.

Certain of our products are sold into mature markets that are characterized by a trend of declining demand. As the overall market for these products decreases due to the adoption of new technologies, we expect that our revenues from these products will continue to decline. As a result, our future prospects will depend on our ability to develop and successfully market new products that address new and growing markets. Our failure to develop new products or

failure to achieve widespread customer acceptance of such new products could cause us to lose market share and cause our revenues to decline. There can be no assurance that we will not experience difficulties that could delay or prevent the successful development, introduction, marketing and sale of new products or product enhancements. Factors that could cause delays include regulatory and/or industry approvals, product design cycle and failure to identify products or features that customers demand. In addition, the introduction and sale of new products often involves a significant technical evaluation, and we often face delays because of our customers' internal procedures for evaluating, approving and deploying new technologies. For these and other reasons, the sales cycle associated with new products is typically lengthy, often lasting six to 24 months and sometimes longer. Therefore, there can be no assurance that our introduction or announcement of new product offerings will achieve any significant or sustainable degree of market acceptance or result in increased revenue in the near term.

Our new software offerings represent a new product line for us and are subject to the risks faced by a new business.

During the fiscal year ended June 30, 2018, we continued to dedicate significant engineering resources to our management software platform, applications, and software-as-a-service, or SaaS, offerings, including MACH10®, Global Device Manager, Lantronix Gateway Central, and ConsoleFlow™. Our management has limited experience in this marketplace. These product and service offerings will be subject to significant additional risks that are not necessarily related to our hardware products. Our ability to succeed with these offerings will depend in large part on our ability to provide customers with software products and services that offer features and functionality that address the needs of particular businesses. We may face challenges and delays in the development of this product line as the marketplace for products and services evolves to meet the needs and desires of customers. We cannot provide assurances that we will be successful in operating and growing this product line.

In light of these risks and uncertainties, we may not be able to establish or maintain market share for our software and SaaS offerings. As we develop new product lines, we must adapt to market conditions that are unfamiliar to us, such as competitors and distribution channels that are different from those we have known in the past. We have and will encounter competition from other solutions providers, many of whom may have more significant resources than us with which to compete. There can be no assurance that we will recover our investments in this new product line, that we will receive meaningful revenue from or realize a profit from this new product line or that diverting our management's attention to this new product line will not have a material adverse effect on our existing business, and in turn on our results of operations, financial condition and prospects.

We may experience significant fluctuation in our revenue because the timing of large orders placed by some of our customers is often project-based.

Our operating results fluctuate because we often receive large orders from customers that coincide with the timing of the customer's project. Sales of our products and services may be delayed if customers delay approval or commencement of projects due to budgetary constraints, internal acceptance review procedures, timing of budget cycles or timing of competitive evaluation processes. In addition, sometimes our customers make significant one-time hardware purchases for projects which are not repeated. We sell primarily on a purchase order basis rather than pursuant to long-term contracts, and we expect fluctuations in our revenues as a result of one-time project-based purchases to continue in the future. In addition, our sales may be subject to significant fluctuations based on the acceleration, delay or cancellation of customer projects, or our failure to complete one or a series of significant potential sales. Because a significant portion of our operating expenses are fixed, even a single order can have a disproportionate effect on our quarterly revenues and operating results. As a result of the factors discussed above, and due to the complexities of the industry in which we operate, it is difficult for us to forecast demand for our current or future products with any degree of certainty, which means it is difficult for us to forecast our sales. If our quarterly or annual operating results fall below the expectations of investors or securities analysts, the price of our common stock could decline substantially.

The lengthy sales cycle for our products and services, along with delays in customer completion of projects, make the timing of our revenues difficult to predict.

We have a lengthy sales cycle for many of our products that generally extends between six and 24 months and sometimes longer due to a lengthy customer evaluation and approval process. The length of this process can be affected by factors over which we have little or no control, including the customer's budgetary constraints, timing of the customer's budget cycles, and concerns by the customer about the introduction of new products by us or by our competitors. As a result, sales cycles for customer orders vary substantially among different customers. The lengthy sales cycle is one of the factors that has caused and may continue to cause our revenues and operating results to vary significantly from quarter to quarter. In addition, we may incur substantial expenses and devote significant management effort and expense to develop potential relationships that do not result in agreements or revenues, which may prevent us from pursuing other opportunities. Accordingly, excessive delays in sales could be material and

adversely affect our business, financial condition or results of operations.

The nature of our products, customer base and sales channels causes us to lack visibility into future demand for our products, which makes it difficult for us to predict our revenues or operating results.

We use forecasts based on anticipated product orders to manage our manufacturing and inventory levels and other aspects of our business. However, several factors contribute to a lack of visibility with respect to future orders, including:

- the lengthy and unpredictable sales cycle for our products that can extend from six to 24 months or longer;
- the project-driven nature of many of our customers' requirements;
- the fact that we primarily sell our products indirectly through distributors;
- the uncertainty of the extent and timing of market acceptance of our new products;
- the need to obtain industry certifications or regulatory approval for our products;
- the lack of long-term contracts with our customers;
- the diversity of our product lines and geographic scope of our product distribution;
- the fact that we have some customers who make single, non-recurring purchases; and
- the fact that a large number of our customers typically purchase in small quantities.

This lack of visibility impacts our ability to forecast our inventory requirements. If we overestimate our customers' future requirements for products, we may have excess inventory, which would increase our costs and potentially require us to write-off inventory that becomes obsolete. Additionally, if we underestimate our customers' future requirements, we may have inadequate inventory, which could interrupt and delay delivery of our products to our customers, harm our reputation, and cause our revenues to decline. If any of these events occur, they could prevent us from achieving or sustaining profitability and the value of our common stock may decline.

We have a history of losses.

We have historically incurred net losses. There can be no assurance that we will generate net profits in future periods. Further, there can be no assurance that we will be cash flow positive in future periods. In the event that we fail to achieve profitability in future periods, the value of our common stock may decline. In addition, if we are unable to achieve or maintain positive cash flows, we would be required to seek additional funding, which may not be available on favorable terms, if at all.

Delays in qualifying product revisions of existing products for certain of our customers could result in the delay or loss of sales to those customers, which could negatively impact our business and financial results.

Our industry is characterized by intense competition, rapidly evolving technology and continually changing customer preferences and requirements. As a result, we frequently develop and introduce new versions of our existing products, which we refer to as revisions.

Prior to purchasing our products, some of our customers require that products undergo a qualification process, which may involve testing of the products in the customer's system. A subsequent revision to a product's hardware or firmware, changes in the manufacturing process or our selection of a new supplier may require a new qualification process, which may result in delays in sales to customers, loss of sales, or us holding excess or obsolete inventory.

After products are qualified, it can take additional time before the customer commences volume production of components or devices that incorporate our products. If we are unsuccessful or delayed in qualifying any new or revised products with a customer, such failure or delay would preclude or delay sales of such products to the customer, and could negatively impact our financial results. In addition, new revisions to our products could cause our customers to alter the timing of their purchases, by either accelerating or delaying purchases, which could result in fluctuations of our net revenue from quarter to quarter.

Delays in deliveries or quality control problems with our component suppliers could damage our reputation and could cause our net revenue to decline and harm our results of operations.

We and our contract manufacturers are responsible for procuring raw materials for our products. Our products incorporate some components and technologies that are only available from single or limited sources of supply. Depending on a limited number of suppliers exposes us to risks, including limited control over pricing, availability, quality and delivery schedules. Moreover, due to the limited amount of our sales, we may not be able to convince suppliers to continue to make components available to us unless there is demand for such components from their other customers. If any one or more of our suppliers cease to provide us with sufficient quantities of components in a timely manner or on terms acceptable to us, we would have to seek alternative sources of supply and we may have difficulty identifying additional or replacement suppliers for some of our components.

We may experience constraints in the supply of certain materials and components that could affect our operating results.

Some of our integrated circuits are only available from a single source and in some cases, are no longer being manufactured. From time to time, integrated circuits, and potentially other components used in our products, will be phased out of production by the manufacturer. When this happens, we attempt to purchase sufficient inventory to meet our needs until a substitute component can be incorporated into our products. Nonetheless, we may be unable to purchase sufficient components to meet our demands, or we may incorrectly forecast our demands, and purchase too many or too few components. In addition, our products use components that have been subject to market shortages and substantial price fluctuations in the past. From time to time, we have been unable to meet customer orders because we were unable to purchase necessary components for our products. We do not have long-term supply arrangements with most of our vendors to obtain necessary components or technology for our products and instead purchase components on a purchase order basis. If we are unable to purchase components from these suppliers, our product shipments could be prevented or delayed, which could result in a loss of sales. If we are unable to meet existing orders or to enter into new orders because of a shortage in components, we will likely lose net revenue, risk losing customers and risk harm to our reputation in the marketplace, which could adversely affect our business, financial condition or results of operations.

We outsource substantially all of our manufacturing to contract manufacturers in Asia. If our contract manufacturers are unable or unwilling to manufacture our products at the quality and quantity we request, our business could be harmed.

We use contract manufacturers based in Asia to manufacture substantially all of our products. Generally, we do not have guaranteed supply agreements with our contract manufacturers or suppliers. If any of these subcontractors or suppliers were to cease doing business with us, we might not be able to obtain alternative sources in a timely or cost-effective manner. Our reliance on third-party manufacturers, especially in a country outside of the U.S., exposes us to a number of significant risks, including:

- reduced control over delivery schedules, quality assurance, manufacturing yields and production costs;
- lack of guaranteed production capacity or product supply;
- reliance on these manufacturers to maintain competitive manufacturing technologies;
- unexpected changes in regulatory requirements, taxes, trade laws and tariffs;
- reduced protection for intellectual property rights in some countries;
- differing labor regulations;
- disruptions to the business, financial stability or operations, including due to strikes, labor disputes or other disruptions to the workforce, of these manufacturers;
- compliance with a wide variety of complex regulatory requirements;
- fluctuations in currency exchange rates;
- changes in a country's or region's political or economic conditions;

- effects of terrorist attacks abroad;
- greater difficulty in staffing and managing foreign operations; and
- increased financial accounting and reporting burdens and complexities.

Any problems that we may encounter with the delivery, quality or cost of our products from our contract manufacturers or suppliers could cause us to lose net revenue, damage our customer relationships and harm our reputation in the marketplace, each of which could materially and adversely affect our business, financial condition or results of operations.

From time to time, we may transition the manufacturing of certain products from one contract manufacturer to another. When we do this, we may incur substantial expenses, risk material delays or encounter other unexpected issues.

We depend on distributors for a majority of our sales and to complete order fulfillment.

We depend on the resale of products through distributor accounts for a substantial majority of our worldwide net revenue. In addition, sales through our top five distributors accounted for approximately 51% of our net revenue in fiscal 2018. A significant reduction of effort by one or more distributors to sell our products or a material change in our relationship with one or more distributors may reduce our access to certain end customers and adversely affect our ability to sell our products. Furthermore, if a key distributor materially defaults on a contract or otherwise fails to perform, our business and financial results would suffer.

In addition, the financial health of our distributors and our continuing relationships with them are important to our success. Our business could be harmed if the financial health of these distributors impairs their performance and we are unable to secure alternate distributors.

Our ability to sustain and grow our business depends in part on the success of our distributors and resellers.

A substantial part of our revenues is generated through sales by distributors and resellers. To the extent they are unsuccessful in selling our products or if we are unable to obtain and retain a sufficient number of high-quality distributors and resellers, our operating results could be materially and adversely affected. In addition, our distributors and resellers may devote more resources to marketing, selling and supporting products and services that are competitive with ours, than to our products. They also may have incentives to promote our competitors' products over our products, particularly for our competitors with larger volumes of orders, more diverse product offerings and a longer relationship with our distributors and resellers. In these cases, one or more of our important distributors or resellers may stop selling our products completely or may significantly decrease the volume of products they sell on our behalf. This sales structure also could subject us to lawsuits, potential liability and reputational harm if, for example, any of our distributors or resellers misrepresents the functionality of our products or services to customers, violates laws or our corporate policies. If we fail to effectively manage our existing or future distributors and resellers effectively, our business and operating results could be materially and adversely affected.

Changes to the average selling prices of our products could affect our net revenue and gross margins and adversely affect results of operations.

In the past, we have experienced reductions in the average selling prices and gross margins of our products. We expect competition to continue to increase, and we anticipate this could result in additional downward pressure on our pricing. Our average selling prices for our products might also decline as a result of other reasons, including promotional programs introduced by us or our competitors and customers who negotiate price concessions. To the

extent we are able to increase prices, we may experience a decline in sales volumes if customers decide to purchase competitive products. If any of these were to occur, our gross margins could decline and we might not be able to reduce the cost to manufacture our products to keep up with the decline in prices.

If we are unable to sell our inventory in a timely manner, it could become obsolete, which could require us to write-down or write off obsolete inventory, which could harm our operating results.

At any time, competitive products may be introduced with more attractive features or at lower prices than ours. If this occurs, and for other reasons, we may not be able to accurately forecast demand for our products and our inventory levels may increase. There is a risk that we may be unable to sell our inventory in a timely manner to avoid it becoming obsolete. If we are required to substantially discount our inventory or are unable to sell our inventory in a timely manner, we would be required to increase our inventory reserves or write off obsolete inventory and our operating results could be substantially harmed.

Our failure to compete successfully in our highly competitive market could result in reduced prices and loss of market share.

The market in which we operate is intensely competitive, subject to rapid technological advances and highly sensitive to evolving industry standards. The market can also be affected significantly by new product and technology introductions and marketing and pricing activities of industry participants. Our products compete directly with products produced by a number of our competitors. Many of our competitors and potential competitors have greater financial and human resources for marketing and product development, more experience conducting research and development activities, greater experience obtaining regulatory approval for new products, larger distribution and customer networks, more established relationships with contract manufacturers and suppliers, and more established reputations and name recognition. For these and other reasons, we may not be able to compete successfully against our current or potential future competitors. In addition, the amount of competition we face in the marketplace may change and grow as the market for IoT and M2M networking solutions grows and new companies enter the marketplace. Present and future competitors may be able to identify new markets, adapt new technologies, develop and commercialize products more quickly and gain market acceptance of products with greater success. As a result of these competitive factors, we may fail to meet our business objectives and our business, financial condition and operating results could be materially and adversely affected.

Our products may contain undetected software or hardware errors or defects that could lead to an increase in our costs, reduce our net revenue or damage our reputation.

We currently offer warranties ranging from one to five years on each of our products. Our products could contain undetected software or hardware errors or defects. If there is a product failure, we might have to replace all affected products, or we might have to refund the purchase price for the units. Regardless of the amount of testing we undertake, some errors might be discovered only after a product has been installed and used by customers. Any errors discovered after commercial release could result in financial losses and claims against us. Significant product warranty claims against us could harm our business, reputation and financial results and cause the market price of our common stock to decline.

Our inability to obtain appropriate industry certifications or approvals from governmental regulatory bodies could impede our ability to grow revenues in our wireless products.

The sale of our wireless products in certain geographical markets is sometimes dependent on the ability to gain certifications and/or approvals by certain governmental bodies. In addition, many of our products are certified as meeting various industry quality and/or compatibility standards. Failure to obtain these certifications or approvals, or delays in receiving such certification or approvals, could impact our ability to compete effectively or at all in these markets and could have an adverse impact on our revenues.

If software that we incorporate into our products were to become unavailable or no longer available on commercially reasonable terms, it could adversely affect sales of our products, which could disrupt our business and harm our financial results.

Certain of our products contain software developed and maintained by third-party software vendors or which are available through the “open source” software community. We also expect that we may incorporate software from third-party vendors and open source software in our future products. Our business would be disrupted if this software, or functional equivalents of this software, were either no longer available to us or no longer offered to us on commercially reasonable terms. In either case, we would be required to either redesign our products to function with alternate third-party software or open source software, or develop these components ourselves, which would result in increased costs and could result in delays in our product shipments. Furthermore, we might be forced to limit the features available in our current or future product offerings.

We face risks associated with our international operations that could impair our ability to grow our revenues abroad as well as our overall financial condition.

We believe that our future growth is dependent in part upon our ability to increase sales in international markets. These sales are subject to a variety of risks, including geopolitical events, fluctuations in currency exchange rates, tariffs, import restrictions and other trade barriers, unexpected changes in regulatory requirements, longer accounts receivable payment cycles, potentially adverse tax consequences, and export license requirements. In addition, we are subject to the risks inherent in conducting business internationally, including political and economic instability and unexpected changes in diplomatic and trade relationships. In many markets where we operate, business and cultural norms are different than those in the U.S., and practices that may violate laws and regulations applicable to us such as the Foreign Corrupt Practices Act, or FCPA, unfortunately are more commonplace. Although we have implemented policies and procedures with the intention of ensuring compliance with these laws and regulations, our employees, contractors and agents, as well as distributors and resellers involved in our international sales, may take actions in violation of our policies. Many of our vendors and strategic business allies also have international operations and are subject to the risks described above. Even if we are able to successfully manage the risks of international operations, our business may be adversely affected if one or more of our business partners are not able to successfully manage these risks. There can be no assurance that one or more of these factors will not have a material adverse effect on our business strategy and financial condition.

Rising concern regarding international tariffs could materially and adversely affect our business and results of operations.

The current political landscape has introduced significant uncertainty with respect to future trade regulations and existing international trade agreements, as shown by the recent U.S.-initiated renegotiation of the North America Free Trade Agreement, and Brexit in Europe. This uncertainty includes the possibility of imposing tariffs or penalties on products manufactured outside the US, including the March 22, 2018 announcement of the US government's institution of a 25% tariff on a range of products from China and the potential for increased trade barriers between the UK and the European Union. The institution of trade tariffs both globally and between the U.S. and China specifically, carries the risk of negatively affecting the overall economic conditions of both China and the U.S., which could have a negative impact on us, as we have significant contract manufacturing operations in China.

We cannot predict whether, and to what extent, there may be changes to international trade agreements or whether quotas, duties, tariffs, exchange controls or other restrictions on our products will be changed or imposed. If we are unable to source our products from the countries where we wish to purchase them, either because of such regulatory changes or for any other reason, or if the cost of doing so increases, it could have a material adverse effect on our business, financial condition and results of operations. Furthermore, imposition of tariffs may result in local sourcing initiatives, or other developments that make it more difficult to sell our products in foreign countries, which would negatively impact our business and operating results.

Our failure to comply effectively with regulatory laws pertaining to our foreign operations could have a material adverse effect on our revenues and profitability.

We are required to comply with U.S. government export regulations in the sale of our products to foreign customers, including requirements to properly classify and screen our products against a denied parties list prior to shipment. We are also required to comply with the provisions of the FCPA and all other anti-corruption laws, such as the UK Anti-Bribery Act, of all other countries in which we do business, directly or indirectly, including compliance with the anti-bribery prohibitions and the accounting and recordkeeping requirements of these laws. Violations of the FCPA or other similar laws could trigger sanctions, including ineligibility for U.S. government insurance and financing, as well as large fines. Failure to comply with the aforementioned regulations could also affect our decision to sell our products in international jurisdictions, which could have a material adverse effect on our revenues and profitability.

Our failure to comply effectively with the requirements of applicable environmental legislation and regulation could have a material adverse effect on our revenues and profitability.

Certain states and countries have passed regulations relating to chemical substances in electronic products and requiring electronic products to use environmentally friendly components. For example, the European Union has the Waste Electrical and Electronic Equipment Directive, the Restrictions of Hazardous Substances Directive, and the Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals. In the future, China and other countries including the U.S. are expected to adopt further environmental compliance programs. In order to comply with these regulations, we may need to redesign our products to use different components, which may be more expensive, if they are available at all. If we fail to comply with these regulations, we may not be able to sell our products in jurisdictions where these regulations apply, which could have a material adverse effect on our revenues and profitability.

Foreign currency exchange rates may adversely affect our results.

We are exposed to market risk primarily related to foreign currencies and interest rates. In particular, we are exposed to changes in the value of the U.S. dollar versus the local currency in which our products are sold and our services are purchased, including devaluation and revaluation of local currencies. Accordingly, fluctuations in foreign currency rates could adversely affect our revenues.

In particular, the uncertainty with respect to the ability of certain European countries to continue to service their sovereign debt obligations and the related European financial restructuring efforts may cause the value of the Euro and other European currencies to fluctuate. If the value of European currencies, including the Euro, deteriorates, thus reducing the purchasing power of European customers, our sales could be adversely affected.

Current or future litigation could adversely affect us.

We are subject to a wide range of claims and lawsuits in the course of our business. Any lawsuit may involve complex questions of fact and law and may require the expenditure of significant funds and the diversion of other resources. The results of litigation are inherently uncertain, and adverse outcomes are possible.

In particular, litigation regarding intellectual property rights occurs frequently in our industry. The results of litigation are inherently uncertain, and adverse outcomes are possible. Adverse outcomes may have a material adverse effect on our business, financial condition or results of operations.

There is a risk that other third parties could claim that our products, or our customers' products, infringe on their intellectual property rights or that we have misappropriated their intellectual property. In addition, software, business processes and other property rights in our industry might be increasingly subject to third-party infringement claims as the number of competitors grows and the functionality of products in different industry segments overlaps. Other parties might currently have, or might eventually be issued, patents that pertain to the proprietary rights we use. Any of these third parties might make a claim of infringement against us. The results of litigation are inherently uncertain, and adverse outcomes are possible.

Responding to any infringement claim, regardless of its validity, could:

- be time-consuming, costly and/or result in litigation;
- divert management's time and attention from developing our business;
- require us to pay monetary damages, including treble damages if we are held to have willfully infringed;
- require us to enter into royalty and licensing agreements that we would not normally find acceptable;
- require us to stop selling or to redesign certain of our products; or
- require us to satisfy indemnification obligations to our customers.

If any of these occur, our business, financial condition or results of operations could be adversely affected.

We may not be able to adequately protect or enforce our intellectual property rights, which could harm our competitive position or require us to incur significant expenses to enforce our rights.

We rely primarily on a combination of laws, such as patent, copyright, trademark and trade secret laws, and contractual restrictions, such as confidentiality agreements and licenses, to establish and protect our proprietary rights. Despite any precautions that we have taken:

- laws and contractual restrictions might not be sufficient to prevent misappropriation of our technology or deter others from developing similar technologies;
- other companies might claim intellectual property rights based upon prior use that negatively impacts our ability to enforce our trademarks and patents;
- policing unauthorized use of our patented technology and trademarks is difficult, expensive and time-consuming, and we might be unable to determine the extent of this unauthorized use.

Also, the laws of some of the countries in which we market and manufacture our products offer little or no effective protection of our proprietary technology. Reverse engineering, unauthorized copying or other misappropriation of our proprietary technology could enable third parties to benefit from our technology without paying us for it. Consequently, we may be unable to prevent our proprietary technology from being exploited by others in the U.S. or abroad, which could require costly efforts to protect our technology. Policing the unauthorized use of our technology, trademarks and other proprietary rights is expensive, difficult and, in some cases, impracticable. Litigation may be necessary in the future to enforce or defend our intellectual property rights, to protect our trade secrets or to determine the validity and scope of the proprietary rights of others. Such litigation could result in substantial costs and diversion of management resources, either of which could harm our business. Accordingly, despite our efforts, we may not be able to prevent third parties from infringing upon or misappropriating our intellectual property, which may harm our business, financial condition and results of operations.

The impact of natural disasters could negatively impact our supply chain and customers resulting in an adverse impact to our revenues and profitability.

Certain of our components and other materials used in producing our products are from regions susceptible to natural disasters. A natural disaster could damage equipment and inventory at our suppliers' facilities, adversely affecting our supply chain. If we are unable to obtain these materials, we could experience a disruption to our supply chain that would hinder our ability to produce our products in a timely manner, or cause us to seek other sources of supply, which may be more costly or which we may not be able to procure on a timely basis. In addition, our customers may not follow their normal purchasing patterns or temporarily cease purchasing from us due to impacts to their businesses in the region, creating unexpected fluctuations or decreases in our revenues and profitability. Natural disasters in other parts of the world on which our operations are reliant also could have material adverse impacts on our business.

Business interruptions could adversely affect our business.

Our operations and those of our suppliers are vulnerable to interruption by fire, earthquake, power loss, telecommunications failure, cyber security breaches, IT systems failure, terrorist attacks and other events beyond our control. A substantial portion of our facilities, including our corporate headquarters and other critical business operations, are located near major earthquake faults and, therefore, may be more susceptible to damage if an earthquake occurs. We do not carry earthquake insurance for direct earthquake-related losses. If a business interruption occurs, our business could be materially and adversely affected.

If our products become subject to cyber security breaches, or if public perception is that they are vulnerable to cyber-attacks, our reputation and business could suffer.

We could be subject to liability or our reputation could be harmed if technologies integrated into our products fail to prevent cyber-attacks, or if our partners or customers fail to safeguard the systems with security policies that conform to industry best practices. In addition, any cyber-attack or security breach that affects a competitor's products could lead to the negative perception that our solutions are or could be subject to similar attacks or breaches.

Cyber security breaches and other disruptions could compromise our information and expose us to liability, which could cause our business and reputation to suffer.

In the ordinary course of our business, we collect and store sensitive data, including intellectual property, our proprietary business information and that of our customers, suppliers and business partners, and personally identifiable information of our employees, on our networks and third-party cloud software providers. The secure processing, maintenance and transmission of this information is critical to our operations. Despite our security measures, our information technology and infrastructure may be vulnerable to attacks by hackers or breached due to employee error, malfeasance or other disruptions. Any such breach could compromise our networks and the information stored there could be accessed, publicly disclosed, lost or stolen. Any such access, disclosure or other loss of information could result in legal claims or proceedings, disrupt our operations, damage our reputation, and cause a loss of confidence in our products and services, which could adversely affect our business.

Some of our new software offerings may be subject to various cybersecurity risks, which are particularly acute in the cloud-based technologies operated by us and other third parties that form a part of our solutions.

In connection with certain implementations of our management software platform, applications, SaaS offerings, including MACH10, Global Device Manager, Lantronix Gateway Central, and ConsoleFlow, we expect to store, convey and potentially process data produced by devices. This data may include confidential or proprietary information, intellectual property or personally identifiable information of our customers or other third parties with whom they do business. It is important for us to maintain solutions and related infrastructure that are perceived by our customers and other parties with whom we do business to provide a reasonable level of reliability and security. Despite available security measures and other precautions, the infrastructure and transmission methods used by our products and services may be vulnerable to interception, attack or other disruptive problems.

If a cyberattack or other security incident were to allow unauthorized access to or modification of our customers' data or our own data, whether due to a failure with our systems or related systems operated by third parties, we could suffer damage to our brand and reputation. The costs we would incur to address and fix these incidents could significantly increase our expenses. These types of security incidents could also lead to lawsuits, regulatory investigations and increased legal liability, including in some cases contractual costs related to customer notification and fraud monitoring. Further, as regulatory focus on privacy and data security issues continues to increase and worldwide laws and regulations concerning the protection of information become more complex, the potential risks and costs of compliance to our business will intensify.

Acquisitions, strategic partnerships, joint ventures or investments may impair our capital and equity resources, divert our management's attention or otherwise negatively impact our operating results.

We may pursue acquisitions, strategic partnerships and joint ventures that we believe would allow us to complement our growth strategy, increase market share in our current markets and expand into adjacent markets, broaden our technology and intellectual property and strengthen our relationships with distributors, OEMs and ODMs. Any future acquisition, partnership, joint venture or investment may require that we pay significant cash, issue equity or incur substantial debt. Acquisitions, partnerships or joint ventures may also result in the loss of key personnel and the dilution of existing stockholders to the extent we are required to issue equity securities. In addition, acquisitions, partnerships or joint ventures require significant managerial attention, which may be diverted from our other operations. These capital, equity and managerial commitments may impair the operation of our business. Furthermore, acquired businesses may not be effectively integrated, may be unable to maintain key pre-acquisition business relationships, may not result in an increase in revenues or earnings or the delivery of new products, may contribute to increased fixed costs, and may expose us to unanticipated liabilities. If any of these occur, we may fail to meet our business objectives and our business, financial condition and operating results could be materially and adversely affected.

If we are unable to attract, retain or motivate key senior management and technical personnel, it could seriously harm our business.

Our financial performance depends substantially on the performance of our executive officers and of key engineers, marketing and sales employees. We are particularly dependent upon our technical personnel, due to the specialized technical nature of our business. If we were to lose the services of our executive officers or any of our key personnel and were not able to find replacements in a timely manner, our business could be disrupted, other key personnel might decide to leave, and we might incur increased operating expenses associated with finding and compensating replacements.

We may experience difficulties associated with utilizing third-party logistics providers.

A majority of our physical inventory management process, as well as the shipping and receiving of our inventory, is performed by third-party logistics providers in Los Angeles, California and Hong Kong. There is a possibility that these third-party logistics providers will not perform as expected and we could experience delays in our ability to ship, receive, and process the related data in a timely manner. This could adversely affect our financial position, results of operations, cash flows and the market price of our common stock.

Relying on third-party logistics providers could increase the risk of the following: failing to receive accurate and timely inventory data, theft or poor physical security of our inventory, inventory damage, ineffective internal controls over inventory processes or other similar business risks out of our immediate control.

We may need additional capital and it may not be available on acceptable terms, or at all.

To remain competitive, we must continue to make significant investments to operate our business and develop our products. Our future capital requirements will depend on many factors, including the timing and amount of our net revenue, research and development expenditures, expenses associated with any strategic partnerships or acquisitions and infrastructure investments, and expenses related to litigation, each of which could negatively affect our ability to generate additional cash from operations. If cash generated from operations is insufficient to satisfy our working capital requirements, we may need to raise additional capital. Looking ahead at long-term needs, we may need to raise additional funds for a number of purposes, including:

- to fund working capital requirements;
- to update, enhance or expand the range of products we offer;
- to increase our sales and marketing activities; or
- to respond to competitive pressures or perceived opportunities, such as investment, acquisition and international expansion activities.

We may seek additional capital from public or private offerings of our capital stock, borrowings under our existing or future credit lines or other sources. If we issue equity or debt securities to raise additional funds, our existing stockholders may experience dilution, and the new equity or debt securities may have rights, preferences and privileges senior to those of our existing stockholders. In addition, if we raise additional funds through collaborations, licensing, joint ventures, or other similar arrangements, it may be necessary to relinquish valuable rights to our potential future products or proprietary technologies, or grant licenses on terms that are not favorable to us. There can be no assurance that we will be able to raise any such capital on terms acceptable to us, if at all. If we are unable to secure such additional financing, we may not be able to develop or enhance our products, take advantage of future opportunities, respond to competition or continue to operate our business.

The terms of our amended credit facility may restrict our financial and operational flexibility and, in certain cases, our ability to operate.

The terms of our amended credit facility restrict, among other things, our ability to incur additional indebtedness; pay dividends or make certain other restricted payments; consummate certain asset sales; enter into certain transactions with affiliates; merge or consolidate with other persons; or sell, assign, transfer, lease, convey or otherwise dispose of

all or substantially all of our assets. Further, we are currently and may in the future be required to maintain specified financial ratios, including pursuant to a Minimum Tangible Net Worth covenant and satisfy certain financial conditions. Our ability to meet those financial ratios and tests can be affected by events beyond our control, and there can be no assurance that we will meet those tests. Pursuant to our amended credit agreement and the related loan and security agreement, we have pledged substantially all of our assets to our lender, Silicon Valley Bank.

Our quarterly operating results may fluctuate, which could cause the market price of our common stock to decline.

We have experienced, and expect to continue to experience, significant fluctuations in net revenue, expenses and operating results from quarter to quarter. We therefore believe that quarter to quarter comparisons of our operating results are not a good indication of our future performance, and you should not rely on them to predict our future operating or financial performance or the future performance of the market price of our common stock. A high percentage of our operating expenses are relatively fixed and are based on our forecast of future revenue. If we were to experience an unexpected reduction in net revenue in a quarter, we would likely be unable to adjust our short-term expenditures significantly. If this were to occur, our operating results for that fiscal quarter would be harmed. In addition, if our operating results in future fiscal quarters were to fall below the expectations of equity analysts and investors, the market price of our common stock would likely fall.

The market price of our common stock may be volatile based on a number of factors, many of which are not under our control.

The market price of our common stock has been highly volatile. The market price of our common stock could be subject to wide fluctuations in response to a variety of factors, many of which are out of our control, including:

- adverse changes in domestic or global economic conditions;
- new products or services offered by our competitors;
- our completion of or failure to complete significant one-time sales of our products;
- actual or anticipated variations in quarterly operating results;
- changes in financial estimates by securities analysts;
- announcements of technological innovations;
- our announcement of significant acquisitions, strategic partnerships, joint ventures or capital commitments;

- conditions or trends in the industry;
- additions or departures of key personnel;
- increased competition from industry consolidation;
- mergers and acquisitions; and
- sales of common stock by our stockholders or us or repurchases of common stock by us.

In addition, the Nasdaq Capital Market often experiences price and volume fluctuations. These fluctuations often have been unrelated or disproportionate to the operating performance of companies listed on the Nasdaq Capital Market.

ITEM 1B. UNRESOLVED STAFF COMMENTS

None.

ITEM 2. PROPERTIES

We lease approximately 27,000 square feet for our corporate headquarters in Irvine, California. Our corporate headquarters includes sales, marketing, research and development, operations and administrative functions. Our lease agreement for our corporate headquarters expires in November 2020. In addition, we lease space for (i) a sales office in Shanghai, China and (ii) our engineering and design center in Hyderabad, India.

We believe our existing facilities are adequate to meet our needs. If additional space is needed in the future, we believe that suitable space will be available on commercially reasonable terms.

ITEM 3. LEGAL PROCEEDINGS

From time to time we are involved in various legal and government proceedings incidental to our business. These proceedings are in various procedural stages. Although the results of such legal proceedings and claims cannot be predicted with certainty, we believe we are not currently a party to any legal proceedings which, if determined adversely to us, would, individually or taken together, have a material adverse effect on our business, operating results, financial condition or cash flows. However, the outcome of legal proceedings is inherently uncertain, and if unfavorable outcomes were to occur, there is a possibility that they could, individually or in the aggregate, have a materially adverse effect on our financial position, operating results or liquidity.

ITEM 4. MINE SAFETY DISCLOSURES

None.

PART II**ITEM MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS
5. AND ISSUER PURCHASES OF EQUITY SECURITIES****Price Range of Common Stock**

Our common stock is traded on the Nasdaq Capital Market under the symbol "LTRX." The number of holders of record of our common stock as of August 17, 2018 was approximately 21. The following table presents, for the periods indicated, the high and low sales prices for our common stock:

	High	Low
Fiscal Year Ended June 30, 2018		
First Quarter	\$2.57	\$1.80
Second Quarter	2.45	1.78
Third Quarter	2.69	1.98
Fourth Quarter	3.56	1.98
Fiscal Year Ended June 30, 2017		
First Quarter	\$2.14	\$1.00
Second Quarter	1.89	1.33
Third Quarter	4.00	1.46
Fourth Quarter	4.09	2.12

Dividend Policy

We have never declared or paid cash dividends on our common stock. We do not anticipate paying any cash dividends on our common stock in the foreseeable future, and we intend to retain any future earnings for use in the expansion of our business and for general corporate purposes. Any future decision to declare or pay dividends will be made by our board of directors in its sole discretion and will depend upon our financial condition, operating results, capital requirements and other factors that our board of directors deems appropriate at the time of its decision.

Issuer Repurchases

We did not repurchase any shares of our common stock during fiscal 2018.

ITEM 6. SELECTED FINANCIAL DATA

Not required for a “smaller reporting company.”

ITEM 7. MANAGEMENT’S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

You should read the following discussion and analysis in conjunction with our consolidated financial statements and the accompanying notes thereto included in Part II, Item 8 of this Report. This discussion and analysis contains forward-looking statements that are based on our management’s current beliefs and assumptions, which statements are subject to substantial risks and uncertainties. Our actual results may differ materially from those expressed or implied by these forward-looking statements as a result of many factors, including those discussed in “Risk Factors” included in Part I, Item 1A of this Report. Please also see “Cautionary Note Regarding Forward Looking Statements” at the beginning of this Report.

Overview

Lantronix, Inc., which we refer to herein as the Company, Lantronix, we, our, or us, is a global provider of secure data access and management solutions for Internet of Things, or IoT, assets. Our mission is to be the leading supplier of IoT solutions that enable companies to simplify the creation, deployment, and management of IoT projects while providing secure access to data for applications and people.

We conduct our business globally and manage our sales teams by three geographic regions: the Americas; Europe, Middle East, and Africa, or EMEA; and Asia Pacific Japan.

References to “fiscal 2018” refer to the fiscal year ended June 30, 2018 and references to “fiscal 2017” refer to the fiscal year ended June 30, 2017.

Products and Solutions

We organize our products and solutions into three product lines: IoT, IT Management and Other. Refer to “Products and Solutions” included in Part I, Item 1 of this Report, which is incorporated herein by reference, for further discussion.

Recent Developments

During the quarter ending September 30, 2018, we initiated a plan to realign certain personnel resources to better fit our current business needs. In connection with this plan, for the quarter ending September 30, 2018, we estimate incurring charges ranging from approximately \$250,000 to \$300,000, primarily consisting of severance-related costs.

Recent Accounting Pronouncements

Refer to Note 1 of Notes to Consolidated Financial Statements included in Part II, Item 8 of this Report, which is incorporated herein by reference, for a discussion of recent accounting pronouncements.

Critical Accounting Policies and Estimates

The preparation of financial statements and related disclosures in accordance with U.S. generally accepted accounting principles requires us to make judgments, estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of net revenue and expenses during the reporting period. We regularly evaluate our estimates and assumptions related revenue recognition, sales returns and allowances, allowance for doubtful accounts, inventory valuation, warranty reserves, valuation of deferred income taxes, goodwill valuation, share-based compensation, litigation and other contingencies. We base our estimates and assumptions on historical experience and on various other factors that we believe to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. To the extent there are material differences between our estimates and the actual results, our future results of operations will be affected.

We believe the following critical accounting policies require us to make significant judgments and estimates in the preparation of our consolidated financial statements:

Revenue Recognition

We recognize revenue when all of the following criteria are met: persuasive evidence of an arrangement exists; delivery has occurred or services have been rendered; our price to the buyer is fixed or determinable; and collectability is reasonably assured.

Establishing accruals for product returns and pricing adjustments requires the use of judgment and estimates that impact the amount and timing of revenue recognition. When product revenue is recognized, we establish an estimated allowance for future product returns based primarily on historical returns experience. We also record reductions of revenue for pricing adjustments, such as competitive pricing programs and rebates, in the same period that the related revenue is recognized, based on approved pricing adjustments and historical experience. Actual product returns or pricing adjustments that differ from our estimates could result in increases or decreases to our net revenue.

A significant portion of our sales are made to distributors under agreements which contain limited rights to return unsold products and price adjustment provisions. Given these provisions, we have concluded the price to these distributors is not fixed and determinable at the time we deliver products to them. Accordingly, revenue and the related cost of revenue from sales to these distributors is not recognized until the distributor resells the product. These distributors provide us with periodic data regarding product, price, quantity and customers when products are shipped to their customers, as well as quantities of our products that they still have in stock.

From time to time, we may enter into arrangements with customers that provide for multiple deliverables that generally include the sale of products, professional engineering services and other product qualification or certification services, which we refer to collectively as deliverables. Pursuant to the applicable accounting guidance, when multiple deliverables in an arrangement are separated into different units of accounting, the arrangement consideration is allocated to the identified separate units that have stand-alone value at the inception of the contract based on a relative selling price hierarchy. We determine the relative selling price for a deliverable based on its vendor-specific objective evidence of selling price, or VSOE, if available, third-party evidence, or TPE, if VSOE is not available, and our best estimate of selling price, or BEBP, if neither VSOE nor TPE is available. Determining the BEBP for a deliverable requires significant judgment and consideration of various factors including market conditions, items contemplated during negotiation of customer arrangements, as well as internally-developed pricing models. Significant judgment is also required in determining whether an arrangement includes multiple elements, and if so, whether VSOE or TPE of fair value exists for those elements. We recognize the relative fair value of the deliverables as they are delivered assuming all other revenue recognition criteria are met. In any period, a portion of revenue may be recorded as unearned due to elements of an arrangement that are undelivered. Changes to the elements in an arrangement, the ability to identify VSOE, TPE or BEBP for those elements, and the fair value of the respective elements could materially impact the amounts of earned and unearned revenue we record.

Allowance for Doubtful Accounts

We maintain an allowance for doubtful accounts for estimated losses resulting from the inability of our customers to make required payments. Our evaluation of the collectability of customer accounts receivable is based on various factors. In cases where we are aware of circumstances that may impair a specific customer's ability to meet its financial obligations subsequent to the original sale, we will record an allowance against amounts due based on those particular circumstances. For all other customers, we estimate an allowance for doubtful accounts based on the length of time the receivables are past due, our bad debt collection experience and general industry conditions. If a major customer's credit-worthiness deteriorates, or our customers' actual defaults exceed our estimates, our financial results could be impacted.

Inventory Valuation

We value inventories at the lower of cost (on a first-in, first-out basis) or net realizable value, whereby we make estimates regarding the market value of our inventories, including an assessment of excess and obsolete inventories. We determine excess and obsolete inventories based on an estimate of the future sales demand for our products within a specified time horizon, which is generally 12 months. The estimates we use for demand are also used for near-term capacity planning and inventory purchasing. In addition, specific reserves are recorded to cover risks for end-of-life products, inventory located at our contract manufacturers, deferred inventory in our sales channel and warranty replacement stock. If actual product demand or market conditions are less favorable than our estimates, additional inventory write-downs could be required, which would increase our cost of revenue and reduce our gross margins.

Warranty Reserve

The standard warranty periods we provide for our products typically range from one to five years. We establish reserves for estimated product warranty costs at the time revenue is recognized based upon our historical warranty experience, and for any known or anticipated product warranty issues. Our warranty obligations are impacted by a number of factors, including historical warranty costs, actual product failure rates, service delivery costs, and the use of materials. If our actual results are different from our assumptions, increases or decreases to warranty reserves could be required, which could impact our cost of revenue and gross margins.

Valuation of Deferred Income Taxes

We have recorded a valuation allowance to reduce our net deferred tax assets to zero, primarily due to historical net operating losses, or NOLs, and uncertainty of generating future taxable income. We consider estimated future taxable income and ongoing prudent and feasible tax planning strategies in assessing the need for a valuation allowance. If we determine that it is more likely than not that we will realize a deferred tax asset that currently has a valuation allowance, we would be required to reverse the valuation allowance, which would be reflected as an income tax benefit in our consolidated statements of operations at that time.

Goodwill Impairment Testing

We evaluate goodwill for impairment on an annual basis in our fourth fiscal quarter or more frequently if we believe indicators of impairment exist that would more likely than not reduce the fair value of our single reporting unit below its carrying amount.

We begin our evaluation of goodwill for impairment by assessing qualitative factors to determine whether it is more likely than not that the fair value of our single reporting unit is less than its carrying value. Based on that qualitative assessment, if we conclude that it is more likely than not that the fair value of our single reporting unit is less than its carrying value, we conduct a quantitative goodwill impairment test, which involves comparing the estimated fair value of our single reporting unit with its carrying value, including goodwill. We estimate the fair value of our single reporting unit using a combination of the income and market approach. If the carrying value of the reporting unit exceeds its estimated fair value, we recognize an impairment loss for the difference.

Significant management judgment is required in estimating the reporting unit's fair value and in the creation of the forecasts of future operating results that are used in the discounted cash flow method of valuation, including (i) estimation of future cash flows, which is dependent on internal forecasts, (ii) estimation of the long-term rate of growth of our business, (iii) estimation of the period during which cash flows will be generated and (iv) the determination of our weighted-average cost of capital, which is a factor in determining the discount rate. Our estimate of the reporting unit's fair value would also generally include the consideration of a control premium, which is the amount that a buyer is willing to pay over the current market price of a company as indicated by the traded price per share (i.e., market capitalization) to acquire a controlling interest. If our actual financial results are not consistent with our assumptions and judgments used in estimating the fair value of our reporting unit, we may be exposed to goodwill impairment losses.

During the fourth quarter of fiscal 2018, we made a qualitative assessment of whether goodwill impairment existed. Since our assessment of the qualitative factors did not result in a determination that it was more likely than not that the fair value of our single reporting unit is less than its carrying value, we were not required to perform the quantitative goodwill impairment test. As of June 30, 2018, the carrying value was \$23,813,000 while our market capitalization was \$53,699,000. We concluded that no goodwill impairment existed as of June 30, 2018.

Share-Based Compensation

We record share-based compensation in our consolidated statements of operations as an expense, based on the estimated grant date fair value of our share-based awards, with such fair values amortized to expense over the requisite service period. Our share-based awards are currently comprised of restricted stock units, stock options, and common stock purchase rights granted under our 2013 Employee Stock Purchase Plan, or our ESPP.

The fair value of our restricted stock units is based on the closing market price of our common stock on the grant date.

The fair value of our stock options and common stock purchase rights is generally estimated on the grant date using the Black-Scholes-Merton, or BSM, option-pricing formula. While utilizing the BSM model meets established requirements, the estimated fair values generated by the model may not be indicative of the actual fair values of our share-based awards as the model does not consider certain factors important to those awards to employees, such as continued employment and periodic vesting requirements as well as limited transferability. The determination of the fair value of share-based awards utilizing the BSM model is affected by our stock price and various assumptions, including the expected term, expected volatility, risk-free interest rate and expected dividend yields. The expected term of our stock options is generally estimated using the simplified method, as permitted by guidance issued by the Securities and Exchange Commission, or SEC. We use the simplified method because we believe we are unable to rely on our limited historical exercise data or alternative information as a reasonable basis upon which to estimate the expected term of such options. The expected volatility is based on the historical volatility of our stock price. The risk-free interest rate assumption is based on the U.S. Treasury interest rates appropriate for the expected term of our stock options and common stock purchase rights.

If factors change and we employ different assumptions, share-based compensation expense may differ significantly from what we have recorded in the past. If there are any modifications or cancellations of the underlying unvested share-based awards, we may be required to accelerate, increase or cancel any remaining unearned share-based compensation expense. If these events were to occur, it could increase or decrease our share-based compensation expense, which would impact our operating expenses and gross margins.

Results of Operations - Fiscal Years Ended June 30, 2018 and 2017

Summary

For fiscal 2018, our net revenue increased by approximately \$850,000, or 1.9%, as compared to fiscal 2017. Our net income for fiscal 2018 was \$680,000, as compared to a net loss of \$277,000 for fiscal 2017, which was driven primarily by a \$1,788,000, or 7.6%, increase in gross profit, partially offset by a \$801,000, or 3.4%, increase in operating expenses.

Net Revenue

The following tables present our net revenue by product lines and by geographic region:

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	Years Ended June 30,				Change	
	2018	% of Net Revenue	2017	% of Net Revenue	\$	%
	(In thousands, except percentages)					
IoT	\$34,742	76.2%	\$32,795	73.3%	\$1,947	5.9%
IT Management	9,666	21.2%	9,292	20.8%	374	4.0%
Other	1,172	2.6%	2,643	5.9%	(1,471)	(55.7%)
	\$45,580	100.0%	\$44,730	100.0%	\$850	1.9%

	Years Ended June 30,				Change	
	2018	% of Net Revenue	2017	% of Net Revenue	\$	%
	(In thousands, except percentages)					
Americas	\$24,930	54.7%	\$24,835	55.5%	\$95	0.4%
EMEA	13,613	29.9%	13,258	29.6%	355	2.7%
Asia Pacific Japan	7,037	15.4%	6,637	14.9%	400	6.0%
	\$45,580	100.0%	\$44,730	100.0%	\$850	1.9%

IoT

Net revenue from our IoT product line increased in fiscal 2018 as we experienced growth in unit sales in a variety of our product families in different geographic regions including (i) XPort in the Americas, EMEA and APJ regions, (ii) SGX, one of our newer products, in the Americas and EMEA regions (iii) XPort Pro in the Americas region and (iv) xPico in the Americas region and, to a lesser extent, the EMEA region. These increases were partially offset by decreased unit sales in our (i) Premierwave XC in the Americas region and (ii) WiPort product families across all regions.

IT Management

Net revenue from our IT Management product line increased in fiscal 2018 primarily due to growth in unit sales of our SLB product family driven by deployments of this product to two large customers in the Americas region.

Other

Net revenue from our Other product line decreased in fiscal 2018 due to (i) a decrease in net revenue from our xPrintServer, for which we experienced a large customer deployment in the prior year and (ii) the expected overall ongoing decline of end-of-life products within this product line. During fiscal 2018 management made the decision to discontinue the production of the PremierWave XN product family. As a result, we have reclassified the net revenues from this product family for both fiscal 2018 and fiscal 2017 from the IoT product line to the Other product line in the table above.

Gross Profit

Gross profit represents net revenue less cost of revenue. Cost of revenue consists of the cost of raw material components, subcontract labor assembly by contract manufacturers, manufacturing overhead, inventory reserves for excess and obsolete products or raw materials, warranty costs, royalties and share-based compensation.

The following table presents our gross profit:

	Years Ended June 30,			Change	
	% of Net Revenue	2017	% of Net Revenue	\$	%
	(In thousands, except percentages)				
Gross profit	\$25,368	55.7%	\$23,580	52.7%	\$1,788 7.6%

Gross profit as a percentage of net revenue (referred to as “gross margin”) for fiscal 2018 improved compared to fiscal 2017 primarily due to a combination of improved pricing, product mix and cost reductions, as well as lower charges for excess and obsolete inventories.

Selling, General and Administrative

Selling, general and administrative expenses consisted of personnel-related expenses including salaries and commissions, share-based compensation, facility expenses, information technology, advertising and marketing expenses and professional legal and accounting fees.

The following table presents our selling, general and administrative expenses:

	Years Ended June 30,		Change	
	2018	2017	\$	%
	% of Net Revenue	% of Net Revenue		
	(In thousands, except percentages)			
Personnel-related expenses	\$11,965	\$11,523	\$442	3.8%
Severance and related charges	154	246	(92)	(37.4%)
Professional fees and outside services	1,083	1,070	13	1.2%
Marketing and advertising	771	702	69	