UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

			Form 10)-K				
(MARK ONE)								
☑ ANNUAL REPORT	ORT PURSUANT TO SEC	TION 13 OR 15(d	d) OF THE SECU	JRITIES	EXCHANGE ACT O	F 1934		
For the fiscal yea	ar ended October 29, 20	023						
			OR					
☐ TRANSITION	REPORT PURSUANT TO	SECTION 13 OR	15(d) OF THE :	SECURIT	TES EXCHANGE AC	T OF 1934		
For the transitio	n period from to							
			Broadco	m In	c.			
Delaware			3421 Hillvi			001-38449	35-2617337	
(State or Other Jurisdi Incorporation or Orgar		Pa	alo Alto, CA			(Comm	ission File Number)	(I.R.S. Employer Identification No.)
		Address of Pr	ne of Registrant a	Offices, Ir	d in Its Charter ncluding Zip Code			
Title of Each		Securities registe	red pursuant to		12(b) of the Act:	Name of	Each Exchange on Whi	ch Registered
Common Stock, \$0.0	001 par value		AVGO	.,			NASDAQ Global Selec	-
	Sec	curities registered	pursuant to Se	ction 12((g) of the Act: None	1		
Indicate by check mark if the Indicate by check mark if the	_							
Indicate by check mark whe receding 12 months (or for such 0 days. Yes ☑ No ☐	ther the registrant (1) has	s filed all reports r	equired to be fil	led by Se	ection 13 or 15(d) of	the Securities	Exchange Act of 193	J
Indicate by check mark whe \$232.405 of this chapter) during	_				-	-		_
Indicate by check mark whe ompany. See the definitions of "	=	-						
Large accelerated filer	Accelerated filer	☐ Non-acc	celerated filer		Smaller reporting of	company [Emerging grov	vth company 🛚
If an emerging growth comp nancial accounting standards pr	•	_	_	ot to use	the extended transi	ition period fo	r complying with any	new or revised
Indicate by check mark whe	ther the registrant has file	ed a report on and	dattestation to i	its manag	gement's assessmer	nt of the effect	iveness of its interna	l control over
nancial reporting under Section				_	·	- '	•	•
If securities are registered p orrection of an error to previous	sly issued financial statem	nents. \square	·					_
Indicate by check mark whe egistrant's executive officers dur	ring the relevant recovery	period pursuant t	to §240.10D-1(b	o). 🗆			sed compensation re	ceived by any of the
Indicate by check mark whe	•				•			
The aggregate market value lasdaq Global Select Market on				iates as c	of April 28, 2023, ba	sed upon the o	closing sale price of s	uch shares on The
As of November 24, 2023, the	here were 468,140,569 sh			U	_			
		Docume	nts Incorporat	ed by Re	eference			
Portions of the registrant's orm 10-K.	definitive Proxy Statement	t for its 2024 Annu	ual Meeting of S	tockhold	ers are incorporate	d by reference	into Part III of this A	nnual Report on
					-			-

BROADCOM INC. 2023 ANNUAL REPORT ON FORM 10-K

TABLE OF CONTENTS

		Page
	PART I.	
ITEM 1.	<u>BUSINESS</u>	<u>3</u>
ITEM 1A.	<u>RISK FACTORS</u>	<u>14</u>
ITEM 1B.	UNRESOLVED STAFF COMMENTS	<u>34</u>
ITEM 2.	<u>PROPERTIES</u>	<u>34</u>
ITEM 3.	<u>LEGAL PROCEEDINGS</u>	<u>34</u>
ITEM 4.	MINE SAFETY DISCLOSURES	<u>34</u>
	PART II.	
ITEM 5.	MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES	<u>35</u>
ITEM 6.	[RESERVED]	<u>36</u>
<u>ITEM 7.</u>	MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS	<u>37</u>
ITEM 7A.	QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK	<u>47</u>
ITEM 8.	FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA	<u>48</u>
<u>ITEM 9.</u>	CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE	<u>88</u>
ITEM 9A.	CONTROLS AND PROCEDURES	<u>88</u>
<u>ITEM 9B.</u>	OTHER INFORMATION	<u>89</u>
ITEM 9C.	DISCLOSURE REGARDING FOREIGN JURISDICTIONS THAT PREVENT INSPECTIONS	<u>89</u>
	2.27	
	PART III.	
<u>ITEM 10.</u>	DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE	<u>90</u>
<u>ITEM 11.</u>	EXECUTIVE COMPENSATION	<u>90</u>
<u>ITEM 12.</u>	SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS	<u>90</u>
<u>ITEM 13.</u>	CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE	<u>90</u>
<u>ITEM 14.</u>	PRINCIPAL ACCOUNTANT FEES AND SERVICES	<u>90</u>
	<u>PART IV.</u>	
<u>ITEM 15.</u>	EXHIBITS AND FINANCIAL STATEMENT SCHEDULES	<u>91</u>
ITEM 16.	FORM 10-K SUMMARY	<u>98</u>
SIGNATURES		99

PART I

The following discussion should be read in conjunction with the consolidated financial statements and notes thereto included elsewhere in this Annual Report on Form 10-K. This Annual Report on Form 10-K contains forward-looking statements within the meaning of the federal securities laws and particularly in Item 1: "Business," Item 1A: "Risk Factors," Item 3: "Legal Proceedings" and Item 7: "Management's Discussion and Analysis of Financial Condition and Results of Operations" of this Annual Report on Form 10-K. These statements are indicated by words or phrases such as "anticipate," "expect," "estimate," "seek," "plan," "believe," "could," "intend," "will," and similar words or phrases. These forward-looking statements may include projections of financial information; statements about historical results that may suggest trends for our business; statements of the plans, strategies, and objectives of management for future operations; statements of expectation or belief regarding future events (including any acquisitions we may make), technology developments, our products, product sales, expenses, liquidity, cash flow and growth rates, or enforceability of our intellectual property rights; any backlog; and the effects of seasonality on our business. Such statements are based on current expectations, estimates, forecasts and projections of our industry performance and macroeconomic conditions, based on management's judgment, beliefs, current trends and market conditions, and involve risks and uncertainties that may cause actual results to differ materially from those contained in the forward-looking statements. We derive most of our forward-looking statements from our operating budgets and forecasts, which are based upon many detailed assumptions. While we believe that our assumptions are reasonable, we caution that it is very difficult to predict the impact of known factors, and it is impossible for us to anticipate all factors that could affect our actual results. Accordingly, we caution you not to place undue r

Unless stated otherwise or the context otherwise requires, references to "Broadcom," "we," "our," and "us" mean Broadcom Inc. and its consolidated subsidiaries. Our fiscal year ends on the Sunday closest to October 31 in a 52-week year and the first Sunday in November in a 53-week year. We refer to our fiscal years by the calendar year in which they end. For example, the fiscal year ended October 29, 2023 was a 52-week year.

ITEM 1. BUSINESS

Overview

We are a global technology leader that designs, develops and supplies a broad range of semiconductor and infrastructure software solutions. Our over 50-year history of innovation dates back to our diverse origins from Hewlett-Packard Company, AT&T, LSI Corporation, Broadcom Corporation, Brocade Communications Systems LLC, CA, Inc., Symantec Enterprise Security, and VMware, Inc. ("VMware"). Over the years, we have assembled a large team of semiconductor and software design engineers around the world. We maintain design, product and software development engineering resources at locations in the U.S., Asia, Europe and Israel, providing us with engineering expertise worldwide. We strategically focus our research and development resources to address niche opportunities in our target markets and leverage our extensive portfolio of U.S. and other patents, and other intellectual property ("IP") to integrate multiple technologies and create system-on-chip ("SoC") component and software solutions that target growth opportunities. We design products and software that deliver high-performance and provide mission critical functionality.

We develop semiconductor devices with a focus on complex digital and mixed signal complementary metal oxide semiconductor ("CMOS") based devices and analog III-V based products. We have a history of innovation in the semiconductor industry and offer thousands of products that are used in end products such as enterprise and data center networking, home connectivity, set-top boxes ("STB"), broadband access, telecommunication equipment, smartphones and base stations, data center servers and storage systems, factory automation, power generation and alternative energy systems, and electronic displays. We differentiate ourselves through our high performance design and integration capabilities and focus on developing products for target markets where we believe we can earn attractive margins.

Our infrastructure software solutions enable customers to plan, develop, automate, manage, and secure applications across mainframe, distributed, mobile, and cloud platforms. Many of the largest companies in the world, including most of the Fortune 500, and many government agencies rely on our software solutions to help manage and secure their on-premise and hybrid cloud environments. Our portfolio of industry-leading infrastructure and security software is designed to modernize, optimize, and secure the most complex hybrid environments, enabling scalability, agility, automation, insights, resiliency and security. We also offer mission critical fibre channel storage area networking ("FC SAN") products and related software in the form of modules, switches and subsystems incorporating multiple semiconductor products.

In addition, the hybrid-cloud portfolio we acquired with VMware helps enterprises simplify their information technology ("IT") environments so they can increase business velocity and flexibility. The VMware portfolio spans hybrid cloud, app-delivery acceleration, zero-trust security, and software-defined edge, making it easy for customers to run their mission-critical workloads across private, public and edge environments with security and resiliency.

Business Strategy

Our strategy is to combine best-of-breed technology leadership in semiconductor and infrastructure software solutions, with unmatched scale, on a common sales and administrative platform to deliver a comprehensive suite of infrastructure technology products to the world's leading business and government customers. We seek to achieve this through responsibly financed acquisitions of category-leading businesses and technologies, as well as investing extensively in research and development, to ensure our products retain their technology leadership. This strategy results in a robust business model designed to drive diversified and sustainable operating and financial results.

Recent Development

Acquisition of VMware, Inc.

On November 22, 2023, we acquired VMware in a cash-and-stock transaction (the "VMware Merger"), in which VMware stockholders received, in aggregate, approximately \$30.8 billion in cash and 54.4 million shares of Broadcom common stock in exchange for all shares of VMware common stock issued and outstanding immediately prior to the closing. The preliminary total purchase consideration for the VMware Merger was approximately \$86.3 billion. We funded the cash portion of the VMware Merger consideration with net proceeds from the issuance of \$30.4 billion in term loans under a credit agreement that we entered into on August 15, 2023, as well as cash on hand.

We assumed all outstanding VMware restricted stock unit ("RSU") awards and performance stock unit awards held by continuing employees. The assumed awards were converted into approximately 5 million Broadcom RSU awards. All outstanding in-the-money VMware stock options and RSU awards held by non-employee directors were accelerated and converted into the right to receive cash and shares of Broadcom common stock, in equal parts.

All discussions and information in this Annual Report on Form 10-K regarding our business and financial results relate solely to our operations prior to the VMware Merger, unless otherwise indicated.

Products and Markets

Semiconductor Solutions

Semiconductors are made by imprinting a network of electronic components onto a semiconductor wafer. These devices are designed to perform various functions such as processing, amplifying and selectively filtering electronic signals, controlling electronic system functions and processing, and transmitting and storing data. Our digital and mixed signal products are based on silicon wafers with CMOS transistors offering fast switching speeds and low power consumption, which are both critical design factors for the markets we serve. We also offer analog products, which are based on III-V semiconductor materials that have higher electrical conductivity than silicon, and thus tend to have better performance characteristics in radio frequency ("RF"), and optoelectronic applications. III-V refers to elements from the 3rd and 5th groups in the periodic table of chemical elements. Examples of these materials used in our products are gallium arsenide ("GaAs") and indium phosphide ("InP").

We provide semiconductor solutions for managing the movement of data in data center, service provider, and enterprise networking applications. We provide a broad variety of RF semiconductor devices, wireless connectivity solutions, custom touch controllers and inductive charging solutions for the wireless market. We also provide semiconductor solutions for enabling the STB and broadband access applications and for enabling secure movement of digital data to and from host machines, such as servers, personal computers and storage systems, to the underlying storage devices, such as hard disk drives ("HDD") and solid-state drives ("SSD").

Our product portfolio ranges from discrete devices to complex sub-systems that include multiple device types and may also incorporate firmware for interfacing between analog and digital systems. In some cases, our products include mechanical hardware that interfaces with optoelectronic or capacitive sensors. We focus on markets that require high quality and the technology leadership and integrated performance characteristic of our products. The table below presents our material semiconductor product families and their major end markets and applications during fiscal year 2023.

Major End Markets	Major Applications	Material Product Families
Broadband	STB and Broadband Access	STB SoCs DCI (DON antique)
		DSL/PON gateways
		DOCSIS cable modem and networking infrastructure DOCAMA(DON patient) in a sequenciation.
		DSLAM/PON optical line termination Wi Figure and the Control of the Cont
Materialia	Data Courtes Couries Duraidos and Entermise Nativadia	Wi-Fi access point SoCs The agent point blue and agent agent agent.
Networking	 Data Center, Service Provider, and Enterprise Networking 	
		Custom silicon solutions
		Optical and copper PHYs
		Fiber optic transmitter and receiver components
Wireless	Mobile Device Connectivity	RF front end modules and filters
		Wi-Fi, Bluetooth, GPS/GNSS SoCs
		Custom touch controllers
		Inductive charging ASICs
Storage	 Servers and Storage Systems 	SAS and RAID controllers and adapters
		PCle switches
		Fibre channel host bus adapters
		Ethernet NIC
	HDD and SSD	Read channel based SoCs; Custom flash controllers
		Preamplifiers
Industrial		• Optocouplers
	Electronics	Industrial fiber optics
		Industrial and medical sensors
		Motion control encoders and subsystems
		Light emitting diode
		Ethernet PHYs, switch ICs and camera microcontrollers

Set-Top Box Solutions: We offer complete SoC platform solutions for cable, satellite, Internet Protocol television, over-the-top and terrestrial STBs. Our products enable global service providers to introduce new and enhanced technologies and services in STBs, including transcoding, digital video recording functionality, higher definition video processing, increased networking capabilities, and more tuners to enable faster channel change and more simultaneous recordings. We are also enabling service providers in deploying High Efficiency Video Coding ("HEVC"), a video compression format that is a successor to the H.264/MPEG-4 format. HEVC enables ultra-high definition ("Ultra HD"), services by effectively doubling the capacity of

existing networks to deploy new or existing content. Our families of STB solutions support the complete range of resolutions, from standard definition, to high definition, and Ultra HD.

Broadband Access Solutions: We offer complete SoC platform solutions for digital subscriber line ("DSL"), cable, passive optical networking ("PON") and wireless local area network for both consumer premise equipment ("CPE") and central office ("CO") deployments. Our CPE devices are used in broadband modems, residential gateways and Wi-Fi access points and routers. Our CO devices, including DSL Access Multiplexer ("DSLAM"), cable modem termination systems and PON optical line termination medium access controller, are empowering modern operator broadband infrastructure. Our products enable global service providers to continue to deploy next generation broadband access technologies across multiple standards, including G.fast, Data Over Cable Service Interface Specifications ("DOCSIS"), PON and Wi-Fi to provide more bandwidth and faster speeds to consumers.

Ethernet Switching & Routing: Ethernet is a ubiquitous interconnection technology that enables high performance and cost effective networking infrastructure. We offer a broad set of Ethernet switching and routing products that are optimized for data center, service provider and enterprise networks. In the data center market, our high capacity, low latency, switching silicon supports advanced protocols around virtualization and multi-pathing. Our Ethernet switching fabric technologies provide the ability to build highly scalable flat networks supporting tens of thousands of servers. Our service provider switch portfolio enables carrier networks to support prioritized delivery of data traffic in the wireless backhaul, access, aggregation and core of their networks. For enterprise networks, we offer product families with secure, encrypted switching capabilities and support lower power modes that comply with industry standards around energy efficient Ethernet.

Custom Silicon Solutions: We provide advanced technology and IP platforms for customers to design and develop application specific integrated circuits ("ASICs"), targeting data center compute offload, legacy and new 5G radio infrastructure, and wired communication networks. Our custom silicon provides the platform to integrate embedded logic, memory, serializer/deserializer ("SerDes") technology, IP cores and processor cores. The ASICs are custom products built to individual customers specifications.

Physical Layer Devices: These devices, also referred to as PHYs, are transceivers that enable the reception and transmission of Ethernet data packets over a physical medium such as copper wire or optical fibers. Our high performance Ethernet transceivers are built upon a proprietary digital signal processing communication architecture optimized for high-speed network connections and support the latest standards and advanced features, such as energy efficient Ethernet, data encryption and time synchronization. We also offer a range of automotive Ethernet products, including PHYs, switches and camera microcontrollers, to meet growing consumer demand for in-vehicle connectivity and smart vision.

Fiber Optic Components: We supply a wide array of optical components to the Ethernet networking, storage, and access, metro- and long-haul telecommunication markets. Our optical components enable the high speed reception and transmission of data through optical fibers.

RF Semiconductor Devices: Our RF semiconductor devices selectively filter, as well as amplify and route, RF signals. Filters enable modern wireless communication systems to support a large number of subscribers simultaneously by ensuring that the multiple transmissions and receptions of voice and data streams do not interfere with each other. We were among the first to deliver commercial film bulk acoustic resonator ("FBAR") filters that offer technological advantages over competing filter technologies, to allow mobile handsets to function more efficiently in today's congested RF spectrum. FBAR technology has a significant market share within the cellular handset market. Our RF products include multi-chip module front-end modules that integrate transmit/receive switching and filtering functions for multiple frequency bands, filter modules and discrete filters, all using our proprietary FBAR technology.

Our expertise in FBAR technology, amplifier design, and module integration enables us to offer industry-leading performance in cellular RF transceiver applications.

Connectivity Solutions: Our connectivity solutions include discrete and integrated Wi-Fi and Bluetooth solutions, and global positioning system/global navigation satellite system ("GPS/GNSS") receivers, designed for use in mobile devices including smartphones, tablets and wearable products.

Wi-Fi allows devices on a local area network to communicate wirelessly, adding the convenience of mobility to the utility of high-speed data networks. We offer a family of high performance, low power Wi-Fi chipsets. Bluetooth is a low power technology that enables direct connectivity between devices. We offer a complete family of Bluetooth silicon and software solutions that enable manufacturers to easily and cost-effectively add Bluetooth functionality to virtually any device. These solutions include combination chips that offer integrated Wi-Fi and Bluetooth functionality, which provides significant performance advantages over discrete solutions.

We also offer a family of GPS, assisted-GPS and GNSS semiconductor products, software and data services. These products are part of a broader location platform that leverages a broad range of communications technologies, including Wi-Fi, Bluetooth and GPS, to provide more accurate location and navigation capabilities.

Custom Touch Controllers: Our touch controllers process signals from touch screens in mobile handsets and tablets.

Inductive Charging ASICs: Our custom inductive charging ASIC devices offer high efficiency and are highly integrated solutions for mobile and wearable devices.

SAS, RAID & PCIe Products: We provide serial attached small computer system interface ("SAS") and redundant array of independent disks ("RAID") controller and adapter solutions to server and storage system original equipment manufacturers ("OEMs"). These solutions enable secure and high speed data transmission between a host computer, such as a server, and storage peripheral devices, such as HDD, SSD and optical disk drives and disk and tape-based storage systems. Some of these solutions are delivered as stand-alone semiconductors, typically as a controller. Other solutions are delivered as circuit boards, known as adapter products, which incorporate our semiconductors onto a circuit board with other features. RAID technology is a critical part of our server storage connectivity solutions as it provides protection against the loss of critical data resulting from HDD failures.

We also provide interconnect semiconductors that support the peripheral component interconnect express ("PCle") communication standards. PCle is the primary interconnection mechanism inside computing systems today.

Fibre Channel Products: We provide fibre channel host bus adapters, which connect host computers such as servers to FC SANs.

Ethernet NIC Controllers: Our Ethernet network interface card ("NIC") controllers are designed for high-performance virtualization, intelligent flow processing, secure data center connectivity, and machine learning.

HDD & SSD Products: We provide read channel-based SoCs and preamplifiers to HDD OEMs. These are the critical chips required to read, write and protect data. An HDD SoC is an integrated circuit ("IC") that combines the functionality of a read channel, serial interface, memory and a hard disk controller in a small, high-performance, low-power and cost-effective package. Read channels convert analog signals that are generated by reading the stored data on the physical media into digital signals.

In addition, we sell preamplifiers, which are complex, high speed, mixed signal devices that enable writing and reading data to and from the HDD heads. The preamplifier interfaces with the SoC to provide the electronics data path in a HDD.

We also provide custom flash controllers to SSD OEMs. An SSD stores data in flash memory instead of on a hard disk, providing high speed access to the data. Flash controllers manage the underlying flash memory in SSDs, performing critical functions such as reading and writing data to and from the flash memory and performing error correction, wear leveling and block management.

Industrial End Markets: We also provide a broad variety of products for the general industrial and automotive markets, including optocouplers, industrial fiber optics, industrial and medical sensors, motion encoders, light emitting diode devices, and Ethernet ICs. Our industrial products are used in a diverse set of applications, spanning industrial automation, power generation and distribution systems, medical systems and equipment, defense and aerospace, and vehicle subsystems including those used in electric vehicle powertrain, infotainment and advanced driver assistance system.

Infrastructure Software

Our infrastructure software solutions offer customers greater choice and flexibility to build, run, manage, connect and protect applications and data at scale across hybrid IT environments.

Our mainframe software provides market-leading DevOps, AlOps, Security, Workload Automation, Data Management, and Foundational Software solutions, that enable customers to embrace open tools and technologies, innovate with their mainframe as part of their hybrid cloud, and amplify the value of their mainframe investments. Our commitment to partnering with our customers extends beyond products and technology and includes unique Beyond Code programs that address challenges such as skills development, staffing, change management, and cost-saving initiatives that drive overall business success with the platform.

Our distributed software solutions enable global enterprises to optimize the planning, development and delivery of software, powering their business critical digital services. Our solutions are designed to enable customers to innovate, improve customer experience, and drive profitability by aligning business, development, and operational teams. Our products, organized in the domains of ValueOps, DevOps, and AlOps, deliver end-to-end visibility across all stages of the digital lifecycle and help our customers realize better business outcomes and better experiences for their customers.

Our Symantec cyber security software solutions help organizations and governments secure against threats and compliance risks by protecting their users and data on any app, device, or network. Our integrated cyber defense approach simplifies cyber security with comprehensive solutions designed to secure critical business assets across on-premises and cloud infrastructures. Our Symantec solutions utilize rich threat intelligence from a global network of security engineers,

threat analyst and researchers, as well as advanced artificial intelligence ("Al") and machine-learning engines, enabling customers to protect data, connect authorized users with trusted applications, and detect and respond to the most advanced targeted attacks.

We also offer mission critical FC SAN products designed to help customers reduce the cost and complexity of managing business information within a shared data storage environment, enabling high levels of availability of mission critical applications in the form of modules, switches and subsystems incorporating multiple semiconductor products. We deliver reliable and simplified management of these FC SAN products through our software-based management tools designed to maximize uptime, dramatically simplify storage area networking deployment and management, and provide high levels of visibility and insight into the storage network.

The table below presents our software portfolios and their material offerings during fiscal year 2023.

Software Portfolio	Portfolio Description	Major Portfolio Offerings
Mainframe Software	DevOps, AlOps, Security, Workload Automation, Data Management,	Operational Analytics & Management
	and Foundational Software Solutions	Workload Automation
		Database & Data Management
		Application Development & Testing
		Identity & Access Management
		Compliance & Data Protection
		Security Insights
	Beyond Code programs	Skills Development and Staffing
		Software Rationalization and Migration
		Software Efficiency and Cost Optimization Tools
		Change Management Support
		Technology Proof of Concepts
Distributed Software	Solutions that optimize the planning, development and delivery of	• ValueOps
	business critical services	• DevOps
		• AlOps
Symantec Cyber Security	Comprehensive threat protection and compliance solutions that secure	Endpoint Security
	against threats and compliance risks by protecting users and data on any app, device, or network	Network Security
	, , , ,	Information Security
		Identity Security
FC SAN Management	 Solutions that transforms current storage networks with autonomous SAN capabilities 	Fibre Channel Switch
Payment Security	 Arcot payment authentication network powered by 3-D Secure 	Payment Security Suite

Operational Analytics & Management: These solutions combine big data, machine learning and AI with mainframe expertise to deliver meaningful and actionable insights to augment and automate day-to-day operations and deliver exceptional customer experiences.

Workload Automation: These solutions reduce manual effort by enabling customers to proactively optimize resources and orchestrate automation across enterprise applications and systems.

Databases & Data Management: These high-performance databases and management tools store, organize, and manage mainframe data to ensure optimal performance, efficient administration, and reliability of critical systems. Customers can also manage their mainframe data storage using modern mainframe solutions that securely store data on any device that customers choose, including the cloud. These software-only solutions are designed to save on costs and maintain confidence in data security.

Application Development & Testing: These solutions enable customers to accelerate software delivery while increasing code quality through the use of our agile processes and tools, and DevOps solutions. Our open-first strategy helps customers modernize their mainframe environment through the use of open source and open application programming technologies across people, process, tooling and applications, resulting in greater synergy and alignment with their corporate IT.

Identity & Access Management: These solutions manage mainframe access and elevate it with modern practices such as multi-factor authentication and privileged user management, and support all external security managers.

Compliance & Data Protection: These solutions protect crucial mainframe data to ensure compliance, identify risk, proactively respond to potential threats, and reduce those risks to lighten the load on security management with automated identification and authorization cleanup.

Security Insights Platform: This solution helps ensure a trusted environment for customers and their employees by quickly interpreting and assessing mainframe security posture, identifying risks and developing remediation steps on an ongoing and ad hoc basis. This data is available for use with in-house tools for security information and event management.

Beyond Code Programs: These value-added offerings go above and beyond the leading software we provide to help ensure our customers get the most out of their mainframe investments. These offerings unlock additional value for organizations in areas like educating and upskilling the workforce, providing expert guidance and support for change events, uncovering opportunities to improve efficiency and save costs.

ValueOps: This solution delivers value stream management capabilities that enable customers to schedule, track, and manage work throughout its lifecycle from investment planning to execution. It aligns business and development teams across the enterprise, increasing transparency, reducing inefficiencies, and improving time to value.

DevOps: This solution offers capabilities that empower users of our agile processes and tools to track development progress and deploy releases confidently with assurance of feature completeness, high-quality and reduced risk. Key stakeholders have a single view of key insights into release progress, health, quality, defect trends, and metrics that drive focus, gauge readiness, and help to ensure successful, quality releases.

AIOps: This solution combines application, infrastructure and network monitoring and correlation with intelligent remediation capabilities to help customers create more resilient production environments and improve customer experience.

Endpoint Security: Endpoints are the critical last line of defense against cyber attackers. Our Symantec endpoint security solutions prevent, detect and respond to emerging threats across all devices and operating systems including laptops, desktops, tablets, mobile phones, servers and cloud workloads through an intelligent Al driven security console and single agent.

Network Security: Email and web access are the lifeblood and essential communication means for every modern organization. We have a full array of network security solutions, as well as a shared set of advanced threat protection technologies to stop inbound and outbound threats targeting end users, information and key infrastructure.

Information Security: Information protection and compliance is critical to managing risk. We offer integrated information security solutions, based on an efficient, single-policy that can be applied across the entire environment, to help organizations identify and protect risky users, applications and their most sensitive data everywhere across endpoints, on-premises networks, cloud services and private applications.

Identity Security: User identities are under attack by cyber criminals hoping to exploit their access and privileges and do harm. We mitigate these attacks by positively identifying legitimate users, enforcing granular access control policies, and streamlining access governance to prevent unauthorized access to sensitive resources and data.

Fibre Channel Switch Products: Our Brocade Fibre Channel switch products provide interconnection, bandwidth and high-speed switching between servers and storage devices which are in a FC SAN. FC SANs are networks dedicated to mission critical storage traffic, and enable simultaneous high speed and secure connections among multiple host computers and multiple storage arrays.

Payment Security Suite: This is a software as a service ("SaaS")-based payment authentication service to help banks and merchants protect against fraud and ensure a hassle-free online shopping experience for their customers.

Research and Development

We are committed to continuous investment in product development and enhancement, with a focus on rapidly introducing new, proprietary products and releases. Many of our products have grown out of our own research and development efforts, and have given us competitive advantages in certain target markets due to performance differentiation. However, we opportunistically seek to enhance our capabilities through the acquisition of engineers with complementary research and development skills and complementary technologies and businesses. We focus our research and development efforts on the development of mission critical, innovative, sustainable and higher value product platforms and those that improve the quality and stability in our broadly deployed products. We leverage our design capabilities in markets where we believe our innovation and reputation will allow us to earn attractive margins by developing high value-add products.

Table of Contents

We plan to continue investing in product development, both organically and through acquisitions, to drive growth in our business. We also invest in process development and improvements to product features and functions, as well as fabrication capabilities to optimize processes for devices that are manufactured internally. Our field application engineers, design engineers, and product and software development engineers are located in many places around the world, and in many cases near our top customers. This enhances our customer reach and our visibility into new product opportunities and, in the case of our semiconductor customers, enables us to support our customers in each stage of their product development cycle, from the early stages of production design to volume manufacturing and future growth. By collaborating with our customers, we have opportunities to develop high value-added, customized products for them that leverage our existing technologies. We anticipate that we will continue to make significant research and development expenditures in order to maintain our competitive position, and to ensure a continuous flow of innovative and sustainable product platforms.

Customers, Sales and Distribution

We sell our products through our direct sales force and a select network of distributors and channel partners globally. Distributors and OEMs, or their contract manufacturers, typically account for the substantial majority of our semiconductor sales. A relatively small number of customers account for a significant portion of our net revenue. Sales to distributors accounted for 57% and 56% of our net revenue for fiscal years 2023 and 2022, respectively. We believe aggregate sales to our top five end customers, through all channels, accounted for approximately 35% of our net revenue for each of our fiscal years 2023 and 2022. We believe aggregate sales to Apple Inc., through all channels, accounted for approximately 20% of our net revenue for each of fiscal years 2023 and 2022. We expect to continue to experience significant customer concentration in future periods. The loss of, or significant decrease in demand from, any of our top five end customers could have a material adverse effect on our business, results of operations and financial condition.

Many of our semiconductor customers design products in North America or Europe that are then manufactured in Asia. To serve customers around the world, we have strategically developed relationships with large global electronic component distributors, complemented by a number of regional distributors with customer relationships based on their respective product ranges. We also sell our products to a wide variety of OEMs or their contract manufacturers. We have established strong relationships with leading OEM customers across multiple target markets. Our direct sales force focuses on supporting our large OEM customers, and has specialized product and service knowledge that enables us to sell specific offerings at key levels throughout a customer's organization. Certain customers require us to contract with them directly and with specified intermediaries, such as contract manufacturers. Many of our major customer relationships have been in place for many years and are often the result of years of collaborative product development. This has enabled us to build our extensive IP portfolio and develop critical expertise regarding our customers' requirements, including substantial system-level knowledge. This collaboration has provided us with key insights into our customers' businesses and has enabled us to be more efficient and productive and to better serve our target markets and customers. Many of our customers and their contract manufacturers often require time critical delivery of our products to multiple locations around the world. With sales offices located in various countries, our primary warehouse in Malaysia, and dedicated regional customer support call centers, where we address customer issues and handle logistics and other order fulfillment requirements, we believe we are well-positioned to support our customers throughout the design, technology transfer and manufacturing stages across all geographies.

Our software customers are in most major industries worldwide, including banks, insurance companies, other financial services providers, government agencies, global IT service providers, telecommunication providers, transportation companies, manufacturers, technology companies, retailers, educational organizations and health care institutions. Our customers generally consist of large enterprises that have computing environments from multiple vendors and are highly complex. We remain focused on strengthening relationships and increasing penetration within our existing core, mainframe-centric, and Symantec endpoint customers and expanding the adoption of our enterprise software offerings with these customers. We believe our enterprise-wide license model will continue to offer our customers reduced complexity, more flexibility and an easier renewal process that will help drive revenue growth.

Manufacturing Operations

We focus on maintaining an efficient global supply chain and a variable, low-cost operating model. Accordingly, we outsource a majority of our manufacturing operations, utilizing third-party foundry and assembly and test capabilities, as well as some of our corporate infrastructure functions. The majority of our front-end wafer manufacturing operations is outsourced to external foundries, including Taiwan Semiconductor Manufacturing Company Limited ("TSMC"). We use third-party contract manufacturers for a significant majority of our assembly and test operations, including TSMC, Advanced Semiconductor Engineering, Inc., Foxconn Technology Group, Amkor Technology, Inc. and Siliconware Precision Industries Co., Ltd. We use our internal fabrication facilities for products utilizing our innovative and proprietary processes, such as our FBAR filters for wireless communications and our vertical-cavity surface emitting laser and side emitting lasers-based on GaAs and InP lasers for fiber optic communications, while outsourcing commodity processes such as standard CMOS. By doing so, we can protect our IP and accelerate time to market for our products. The majority of our internal III-V semiconductor wafer fabrication is done in the U.S. and Singapore.

We also have a long history of operating in Asia where we manufacture and source the majority of our products and materials. We store the majority of our product inventory in our warehouse in Malaysia and our presence in Asia places us in close proximity to many of our customers' manufacturing facilities.

Manufacturing Materials and Suppliers

Our manufacturing operations employ a wide variety of semiconductors, electromechanical components and assemblies and raw materials. We purchase materials from hundreds of suppliers on a global basis. These purchases are generally on a purchase order basis and some parts are not readily available from alternate suppliers due to their unique design or the length of time and cost necessary for re-design or qualification. To address the potential disruption in our supply chain, we may use a number of techniques, including redesigning products for alternative components, making incremental or "lifetime" purchases, or qualifying more than one source of supply. Our long-term relationships with our suppliers allow us to proactively manage our technology development and product discontinuance plans, and to monitor our suppliers' financial health. Some suppliers may, nonetheless, extend their lead times, limit supplies, increase prices or cease to produce necessary parts for our products. If these are unique or highly specialized components, we may not be able to find a substitute quickly, or at all.

Competition

The markets in which we participate are highly competitive. Our competitors range from large, international companies offering a wide range of products to smaller companies specializing in narrow markets. The competitive landscape is changing as a result of a trend toward consolidation within many industries, as some of our competitors have merged with or been acquired by other competitors, while others have begun collaborating with each other. We expect this consolidation trend to continue. We expect competition in the markets in which we participate to continue to increase as existing competitors improve or expand their product offerings and as new companies enter the market. Additionally, our ability to compete effectively depends on a number of factors, including: quality, technical performance, price, product features, product system compatibility, system-level design capability, engineering expertise, responsiveness to customers, new product innovation, product availability, delivery timing and reliability, and customer sales and technical support.

In the semiconductor market, we compete with integrated device manufacturers, fabless semiconductor companies, as well as the internal resources of large, integrated OEMs. Our primary competitors are Advanced Micro Devices, Inc., Amlogic Inc., Analog Devices, Inc., Cisco Systems, Inc., GlobalFoundries Inc., Hamamatsu Photonics K.K., Heidenhain Corporation, iC-Haus GmbH, Intel Corporation, Lumentum Holdings Inc., MACOM Technology Solutions Holdings, Inc., Marvell Technology, Inc., MaxLinear, Inc., MediaTek Inc., Microchip Technology Incorporated, Mitsubishi Electric Corporation, Murata Manufacturing Co., Ltd., NVIDIA Corporation, NXP Semiconductors N.V., ON Semiconductor Corporation, OSRAM Licht AG, Qorvo, Inc., Qualcomm Inc., Realtek Semiconductor Corp., Renesas Electronics Corporation, Skyworks Solutions, Inc., STMicroelectronics N.V., Sumitomo Corporation, Synaptics Incorporated, Texas Instruments, Inc., TDK-EPC Corporation, Toshiba Corporation, Wolfspeed, Inc. (f/k/a Cree, Inc.), and II-VI Incorporated. We compete based on the strength and expertise of our high speed proprietary design expertise, FBAR technology, amplifier design, module integration, proprietary materials processes, multiple storage protocols and mixed-signal design, our broad product portfolio, support of key industry standards, reputation for quality products, and our customer relationships.

In the infrastructure software market, we compete with large enterprise software vendors who continue to expand their product and service offerings and consolidate offerings into broad product lines, and smaller, niche players focused on specific markets. Our primary competitors are Atlassian Corporation, Plc, BeyondTrust Corporation, BMC Software Inc., Cisco Systems, Inc., CrowdStrike Holdings, Inc., CyberArk Software, Ltd., Dino-Software Corporation, International Business Machines Corporation, Microsoft Corporation, New Relic, Inc., OpenText Corporation, Oracle Corporation, Proofpoint, Inc., Rocket Software, Inc., SailPoint Technologies Holdings, Inc., Salesforce.com, Inc., ServiceNow, Inc., SolarWinds Corporation, Splunk, Inc. and Zscaler, Inc. We compete based on the breadth of our enterprise management tools portfolio, breadth and synergy of offerings, our platform and hardware independence, our global reach, and our deep customer relationships and industry experience.

Intellectual Property

Our success depends in part upon our ability to protect our IP. To accomplish this, we rely on a combination of IP rights, including patents, copyrights, trademarks, service marks, trade secrets and similar IP, as well as customary contractual protections with our customers, suppliers, employees and consultants, and through security measures to protect our trade secrets. We believe our current product expertise, key engineering talent and IP portfolio provide us with a strong platform from which to develop application specific products in key target markets.

As of October 29, 2023, we had 15,400 U.S. and other patents and 910 U.S. and other pending patent applications. The expiration dates of our patents range from 2023 to 2042, with a small number of patents expiring in the near future, none of

which are expected to be material to our IP portfolio. We are not substantially dependent on any single patent or group of related patents.

We focus our patent application program to a greater extent on those inventions and improvements that we believe are likely to be incorporated into our products, as contrasted with more basic research. However, we do not know how many of our pending patent applications will result in the issuance of patents or the extent to which the examination process could require us to narrow our claims.

We and our predecessors have also entered into a variety of IP licensing and cross-licensing arrangements that have both benefited our business and enabled some of our competitors. A portion of our revenue comes from IP licensing royalty payments and from litigation settlements relating to such IP. We also license third-party technologies that are incorporated into some elements of our design activities, products and manufacturing processes. Historically, licenses of the third-party technologies used by us have generally been available to us on acceptable terms.

The industries in which we compete are characterized by the existence of a large number of patents, copyrights, trademarks and trade secrets and by the vigorous pursuit, protection and enforcement of IP rights, including by patent holding companies that do not make or sell products. Some of our customer agreements require us to indemnify our customers for third-party IP infringement claims arising from our products. Claims of this sort could harm our relationships with our customers and might deter future customers from doing business with us. With respect to any IP rights claims against us or our customers or distributors, we may be required to defend ourselves or our customers or distributors in litigation, cease manufacturing the infringing products, pay damages, expend resources to develop non-infringing technology, seek a license which may not be available on commercially reasonable terms or at all, or relinquish patents or other IP rights.

With respect to our infrastructure software, the proprietary portions of our source code for our products are protected both as a trade secret and as copyrighted works. Except with respect to software components that are subject to open source licenses, our customers do not generally have access to the source code for our products. Rather, on-premise customers typically access only the executable code for our products, and SaaS customers access only the functionality of our SaaS offerings. Under certain contingent circumstances, some of our customers are beneficiaries of a source code escrow arrangement that would enable them to obtain a limited right to access and use our source code if specific conditions are met.

Employees

Our continued success depends on our ability to attract, motivate and retain our workforce in a highly competitive labor market. Specifically, as the source of our technological and product innovations, our engineering and technical personnel are a critical asset.

We measure our employees' engagement by our voluntary attrition rate and employee feedback. Our global voluntary attrition rate in fiscal year 2023 was approximately 3.3%, well below the technology industry benchmark (AON, 2023 Salary Increase and Turnover Study — Second Edition, September 2023).

We also track the portion of our workforce in research and development roles. As of October 29, 2023, we had approximately 20,000 employees worldwide, with approximately 63% in research and development roles. By geography, approximately 54% of our employees are located in North America, 34% in Asia, and 12% in Europe, the Middle East and Africa.

Governmental Regulation

Our semiconductor manufacturing operations and research and development involve the use of hazardous substances and are regulated under international, federal, state and local laws governing health, safety and the environment. These regulations include limitations on discharge of pollutants to air, water, and soil; remediation requirements; product chemical content limitations; manufacturing chemical use and handling restrictions; pollution control requirements; waste minimization considerations; and treatment, transport, storage and disposal of solid and hazardous wastes. We are also subject to regulation by the U.S. Occupational Safety and Health Administration and similar health and safety laws in other jurisdictions.

We believe that our properties and operations at our facilities comply in all material respects with applicable environmental laws and worker health and safety laws. However, the risk of environmental liabilities cannot be completely eliminated and there can be no assurance that the application of environmental, health and safety laws to our business will not require us to incur significant expenditures.

We are also regulated under a number of international, federal, state and local laws regarding recycling, product packaging and product content requirements, including legislation enacted in the U.S., European Union and China, among a growing number of jurisdictions, which have placed greater restrictions on the use of lead, among other restricted substances, in electronic products, which affects materials composition and semiconductor packaging. In addition, our business is subject

to various import/export regulations, such as the U.S. Export Administration Regulations, and applicable executive orders, and rules of industrial standards bodies, like the International Organization for Standardization, as well as regulation by other agencies, such as the U.S. Federal Trade Commission ("FTC"). These laws, regulations and orders are complex, may change frequently and with limited notice, have generally and may continue to become more stringent over time. We may incur significant expenditures in future periods as a result.

Seasonality

Historically, our net revenue has typically been higher in the second half of the fiscal year than in the first half, primarily due to seasonality in our wireless communications products. These products have historically experienced seasonality due to launches of new mobile devices manufactured by our OEM customers. However, from time to time, typical seasonality and industry cyclicality are overshadowed by other factors such as wider macroeconomic effects, the timing of significant product transitions and launches by large OEMs, particularly with our wireless communications products. We have a diversified business portfolio and we believe that our overall revenue is less susceptible to seasonal variations as a result of this diversification.

Other Information

Our website is www.broadcom.com. You may access our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and other reports (and amendments thereto) filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (the "Exchange Act") with the Securities and Exchange Commission (the "SEC"), as well as proxy statements filed by Broadcom, free of charge at the "Investor Center - SEC Filings" section of our website at www.broadcom.com, as soon as reasonably practicable after such material is electronically filed with, or furnished to, the SEC. Such periodic reports, proxy statements and other information are also available at the SEC's website at www.sec.gov. The reference to our website address does not constitute incorporation by reference of the information contained on or accessible through our website.

Information About Our Executive Officers

The following table provides information regarding our executive officers as of December 14, 2023:

Name and Title	<u>Age</u>	Position and Offices
Hock E. Tan	72	President, Chief Executive Officer and Director
Kirsten M. Spears	59	Chief Financial Officer and Chief Accounting Officer
Mark D. Brazeal	55	Chief Legal and Corporate Affairs Officer
Charlie B. Kawwas, Ph.D.	53	President, Semiconductor Solutions Group

Hock E. Tan has served as our President and Chief Executive Officer since March 2006. He was President and Chief Executive Officer at Integrated Circuit Systems, Inc. ("ICS"), a publicly traded timing solutions IC company, from 1999 until its acquisition by Integrated Device Technology, Inc. in 2005. He also held several executive leadership positions at ICS, including Chief Operating Officer from 1996 to 1999 and Senior Vice President and Chief Financial Officer from 1995 to 1999. He was Vice President of Finance at Commodore International, Ltd. from 1992 to 1994, and held senior management positions at PepsiCo, Inc. and General Motors Corporation. He was also managing director of Pacven Investment, Ltd., a venture capital fund in Singapore, from 1988 to 1992, and was managing director of Hume Industries Ltd. in Malaysia from 1983 to 1988.

Kirsten M. Spears has served as our Chief Financial Officer and Chief Accounting Officer since December 2020. She served as our Principal Accounting Officer from March 2016 to December 2020 and Vice President and Corporate Controller from May 2014 to December 2020. She was Vice President and Corporate Controller at LSI Corporation from 2007 until its acquisition by us in 2014. She held several management positions in accounting and reporting at LSI from 1997 to 2007. She also worked for PriceWaterhouseCoopers prior to joining LSI.

Mark D. Brazeal has served as our Chief Legal and Corporate Affairs Officer since December 2021. He served as our Chief Legal Officer from March 2017 to December 2021. He was Chief Legal Officer and Senior Vice President, IP Licensing for SanDisk Corporation from 2014 until its acquisition by Western Digital Corporation in 2016. He held several senior legal positions at Broadcom Corporation from 2000 to 2014, including Senior Vice President and Senior Deputy General Counsel in charge of all commercial, operational, IP licensing and litigation matters. He was also an attorney in the transactional and IP groups at the law firms of Wilson Sonsini Goodrich & Rosati, Yuasa & Hara and Howrey & Simon prior to joining Broadcom Corporation.

Charlie B. Kawwas has served as our President, Semiconductor Solutions Group since July 2022. He served as our Chief Operating Officer from December 2020 to July 2022, Senior Vice President and Chief Sales Officer from June 2015 to December 2020 and Senior Vice President, Worldwide Sales from May 2014 to June 2015. He was head of worldwide sales at

Table of Contents

LSI Corporation from 2010 until its acquisition by us in 2014. He held several executive leadership positions at LSI from 2007 to 2010, including Vice President of Sales and Marketing for the networking division and Vice President of Marketing for the networking and storage products group. He was also the leader of Product Line Management for the Optical Ethernet and Multi-service Edge portfolio at Nortel Networks Corporation prior to joining LSI.

ITEM 1A. RISK FACTORS

Our business, operations and financial results are subject to various risks and uncertainties, including those described below, that could adversely affect our business, financial condition, results of operations, cash flows, and the trading price of our common stock. The following material factors, among others, could cause our actual results to differ materially from historical results and those expressed in forward-looking statements made by us or on our behalf in filings with the SEC, press releases, communications with investors and oral statements.

Risk Factors Summary

The following is a summary of the principal risks that could adversely affect our business, operations and financial results.

Risks Related to Our Business

- Adverse global economic conditions could have a negative effect on us.
- Our business is subject to various governmental regulations and trade restrictions. Compliance with these regulations may cause us to incur significant expense and, if we fail to maintain compliance, we may be forced to cease manufacture and distribution of certain products or subjected to administrative proceedings and civil or criminal penalties.
- · Global political and economic conditions and other factors related to our international operations could adversely affect us.
- The failure to realize the expected benefits from the VMware Merger may adversely affect our business and the value of our common stock.
- · We may pursue acquisitions, investments, joint ventures and dispositions, which could adversely affect our results of operations.
- We are subject to risks associated with our distributors and other channel partners, including product inventory levels and product sell-through.
- We are dependent on senior management and if we are unable to attract and retain qualified personnel, we may not be able to execute our business strategy effectively.
- An impairment of the confidentiality, integrity, or availability of our IT systems, or those of one or more of our corporate infrastructure vendors, could
 have a material adverse effect on our business.
- We operate in the highly cyclical semiconductor industry.
- The majority of our sales come from a small number of customers and a reduction in demand or loss of one or more of our significant customers may adversely affect our business.
- Dependence on contract manufacturing and suppliers of critical components within our supply chain may adversely affect our ability to bring products to market.
- · We purchase a significant amount of the materials used in our products from a limited number of suppliers.
- Failure to adjust our manufacturing and supply chain to accurately meet customer demand could adversely affect our results of operations.
- Winning business in the semiconductor solutions industry is subject to a lengthy process that often requires us to incur significant expense, from which we may ultimately generate no revenue.
- A prolonged disruption of our manufacturing facilities, research and development facilities, warehouses or other significant operations, or those of our suppliers, could have a material adverse effect on us.
- We may be unable to maintain appropriate manufacturing capacity or product yields at our own manufacturing facilities.
- We may be involved in legal proceedings, including IP, securities litigation, and employee-related claims that could adversely affect our business.
- If demand for our data center virtualization products is less than anticipated, our business could be adversely affected.
- The growth of our software business depends on customer acceptance of our newer products and services.
- Incompatibility of our software products with operating environments, platforms, or third-party products, demand for our products and services could decrease.
- Failure to enter into software license agreements on a satisfactory basis could adversely affect us.
- Licensed third party software used in our products may not be available to us in the future, which may delay product development and production or cause us to incur additional expense.

- Our use of open source software in certain products and services could materially adversely affect our business, financial condition and results of
 operations.
- Failure of our software products to manage and secure IT infrastructures and environments could have a material adverse effect on our business.
- Our sales to government customers subject us to uncertainties and governmental regulations, which could have a material adverse effect on our husiness.
- Failure to effectively manage our products and services lifecycles could harm our business.
- Our operating results are subject to substantial quarterly and annual fluctuations.
- Competition in our industries could prevent us from growing our revenue.
- · Our ability to maintain or improve gross margin.
- Our ability to protect the significant amount of IP in our business.
- We are subject to warranty claims, product recalls and product liability.
- The complexity of our products could result in unforeseen delays or expense or undetected defects or bugs.
- We make substantial investments in research and development and unsuccessful investments could materially adversely affect our business, financial condition and results of operations.
- We collect, use, store, or otherwise process personal information, which subjects us to privacy and data security laws and contractual commitments, and our actual or perceived failure to comply with such laws and commitments could harm our business.
- We are subject to environmental, health and safety laws, which could increase our costs, restrict our operations and require expenditures.
- Environmental, social and governance matters may adversely affect our relationships with customers and investors.
- · The average selling prices of semiconductor products in our markets have often decreased rapidly and may do so in the future.
- Fluctuations in foreign exchange rates could result in losses.

Risks Relating to Taxes

- Changes in tax legislation or policies could materially impact our financial position and results of operations.
- Our corporate income taxes could significantly increase if we are unable to maintain our tax concessions or if our assumptions and interpretations regarding tax laws and concessions prove to be incorrect.
- Our income taxes and overall cash tax costs are affected by a number of factors that could materially, adversely affect financial results.
- We have potential tax liabilities as a result of VMware's former controlling ownership by Dell, which could have an adverse effect on our financial
 condition and operating results.

Risks Relating to Our Indebtedness

- Our substantial indebtedness could adversely affect our financial health and our ability to execute our business strategy.
- The instruments governing our indebtedness impose certain restrictions on our business.
- Servicing our debt requires a significant amount of cash, and we may not have sufficient cash flows from our business to pay our substantial debt.

Risks Relating to Owning Our Common Stock

- · Volatility of our stock price could result in substantial losses for our investors as well as class action litigation against us and our management.
- The amount and frequency of our stock repurchases may fluctuate.
- A substantial amount of our stock is held by a small number of large investors.
- There can be no assurance that we will continue to declare cash dividends.

For a more complete discussion of the material risks facing our business, see below.

Risks Related to Our Business

Adverse global economic conditions could have a negative effect on our business, results of operations and financial condition and liquidity.

A general slowdown in the global economy, including a recession, or in a particular region or industry, an increase in trade tensions with U.S. trading partners, inflation or a tightening of the credit markets could negatively impact our business, financial condition and liquidity. Adverse global economic conditions have from time to time caused or exacerbated significant slowdowns in the industries and markets in which we operate, which have adversely affected our business and results of operations. Macroeconomic weakness and uncertainty also make it more difficult for us to accurately forecast revenue, gross margin and expenses, and may make it more difficult to raise or refinance debt. An escalation of trade tensions between the U.S. and China has resulted in trade restrictions, increased protectionism and increased tariffs that harm our ability to participate in Chinese markets or compete effectively with Chinese companies. Sustained uncertainty about, or worsening of, current global economic conditions and further escalation of trade tensions between the U.S. and its trading partners, especially China, and possible decoupling of the U.S. and China economies, could result in a global economic slowdown and long-term changes to global trade. Such events may also (i) cause our customers and consumers to reduce, delay or forgo technology spending, (ii) result in customers sourcing products from other suppliers not subject to such restrictions or tariffs, (iii) lead to the insolvency or consolidation of key suppliers and customers, and (iv) intensify pricing pressures. Any or all of these factors could negatively affect demand for our products and our business, financial condition and results of operations.

Our business is subject to various governmental regulations, and compliance with these regulations may cause us to incur significant expense. If we fail to maintain compliance with applicable regulations, we may be forced to cease the manufacture and distribution of certain products, and we could be subject to administrative proceedings and civil or criminal penalties.

Our business is subject to various domestic and international laws and other legal requirements, including anti-competition and import/export regulations, such as the U.S. Export Administration Regulations, and applicable executive orders. These laws, regulations and orders are complex, may change frequently and with limited notice, and have generally and may continue to become more stringent over time. We may be required to incur significant expense to comply with, or to remedy violations of, these regulations. In addition, if our customers fail to comply with these regulations, we may be required to suspend sales to these customers, which could damage our reputation and negatively impact our results of operations. The U.S. government may also add companies to its restricted entity list and/or technologies to its list of prohibited exports to specific countries, which have had and may continue to have an adverse effect on our ability to sell our products and our revenue. For example, Huawei Technologies Co., Ltd., one of our customers, is subject to certain U.S. export restrictions, which has required us to suspend sales to Huawei until we obtain licenses from the U.S. Department of Commerce. We may be unable to obtain or maintain the necessary licenses to allow us to export products to them. These restrictive governmental actions and any similar measures that may be imposed on U.S. companies by other governments, especially in light of ongoing trade tensions with China, will likely limit or prevent us from doing business with certain of our customers or suppliers and harm our ability to compete effectively or otherwise negatively affect our ability to sell our products, and adversely affect our business and results of operations. Furthermore, government authorities may take retaliatory actions, impose conditions for the supply of products or require the license or other transfer of intellectual property, which could have a material adverse effect on our business.

Our products and operations are also subject to regulation by U.S. and non-U.S. regulatory agencies, such as the FTC. From time to time, we may also be involved or required to participate in regulatory investigations or inquiries, such as the ongoing investigation by the Korean Fair Trade Commission into certain of our contracting and business practices, which may evolve into legal or other administrative proceedings. Growing public concern over concentration of economic power in corporations is likely to result in increased anti-competition legislation, regulation, administrative rule making, and enforcement activity. Involvement in regulatory investigations or inquiries, can be costly, lengthy, complex and time consuming, diverting the attention and energies of our management and technical personnel.

If any pending or future governmental investigations result in an unfavorable resolution, we could be required to cease the manufacture and sale of the subject products or technology, pay fines or disgorge profits or other payments, and/or cease certain conduct and/or modify our contracting or business practices, which could have a material adverse effect on our business, financial condition and results of operations. We may be obligated to indemnify our current or former directors or employees, or former directors or employees of companies that we have acquired, in connection with regulatory investigations. These liabilities could be substantial and may include, among other things, the cost of government, law enforcement or regulatory investigations and civil or criminal fines and penalties.

In addition, the manufacture and distribution of our semiconductors must comply with various laws and adapt to changes in regulatory requirements as they occur. For example, if a country in which our products are manufactured or sold sets technical standards that are not widely shared, it may require us to stop distributing our products commercially until they comply with such new standards, lead certain of our customers to suspend imports of their products into that country, require manufacturers in that country to manufacture products with different technical standards and disrupt cross-border

manufacturing relationships, any of which could have a material adverse effect on our business, financial condition and results of operations. If we fail to comply with these requirements, we could also be required to pay civil penalties or face criminal prosecution.

Global political and economic conditions and other factors related to our international operations could adversely affect our business, financial condition and results of operations.

A majority of our products are produced, sourced and sold internationally and our international revenue represents a significant percentage of our overall revenue. In addition, as of October 29, 2023, nearly 49% of our employees were located outside the U.S. Multiple factors relating to our international operations and to particular countries in which we operate could have a material adverse effect on our business, financial condition and results of operations. These factors include:

- changes in political, regulatory, legal or economic conditions or geopolitical turmoil (including China-Taiwan relations), including terrorism, war or
 political or military coups, state-sponsored or politically motivated cyber-attacks, or civil disturbances or political instability (foreign and domestic);
- restrictive governmental actions, such as restrictions on the transfer or repatriation of funds and foreign investments, data privacy regulations, imposition of climate change regulations, and trade protection measures, including increasing protectionism, import/export restrictions (including with regards to advanced technologies), import/export duties and quotas, trade sanctions and customs duties and tariffs, all of which have increased in recent years;
- difficulty in obtaining product distribution and support, and transportation delays;
- potential inability to localize software products;
- difficulty in enforcing contracts, collecting accounts receivables and maintaining appropriate financial control;
- difficulty in conducting due diligence with respect to business partners;
- public health or safety concerns, medical epidemics or pandemics, such as COVID-19, and other natural- or man-made disasters;
- nationalization of businesses and expropriation of assets; and
- · changes in U.S. and foreign tax laws.

A significant legal risk associated with conducting business internationally is compliance with the various and differing laws and regulations of the many countries in which we do business. In addition, the laws in various countries are constantly evolving and may, in some cases, conflict with each other or with agreements we have made in one or more jurisdictions. Although our policies prohibit us, our employees and our agents from engaging in unethical business practices, there can be no assurance that all of our employees, distributors or other agents will refrain from acting in violation of our related anti-corruption or other policies and procedures. Any such violation could have a material adverse effect on our business.

Failure to realize the benefits expected from the VMware Merger could adversely affect our business and the value of our common stock.

As part of our integration of the VMware business, we plan to focus on VMware's core business of creating private and hybrid cloud environments among large enterprises globally and divesting non-core assets. If VMware customers do not accept this plan, the investments we have made or may make to implement this plan may be of no or limited value, we may lose customers, our financial results may be adversely affected and our stock price may suffer.

Although we expect significant benefits to result from the VMware Merger, there can be no assurance that we will actually realize these benefits. Achieving these benefits will depend, in part, on our ability to integrate VMware's business successfully and efficiently. The challenges involved in this integration, which are complex and time consuming, include the following:

- preserving customer and other important relationships of VMware and attracting new business and operational relationships;
- integrating financial forecasting and controls, procedures and reporting cycles;
- consolidating and integrating corporate, information technology, finance and administrative infrastructures;
- coordinating sales and marketing efforts to effectively position our capabilities;
- coordinating and integrating operations in countries in which we have not previously operated;

- reorienting the VMware sales and marketing force to align with the change in strategy and effectively position the business; and
- integrating the VMware workforce, including managing employee transitions and attrition, maintaining employee morale and retaining key employees.

If we do not successfully manage these issues and the other challenges inherent in integrating an acquired business, then we may not achieve the anticipated benefits of the VMware Merger within our anticipated timeframe or at all and our revenue, expenses, operating results, financial condition and stock price could be materially adversely affected. The successful integration of the VMware business will require significant management attention both before and after the completion of the VMware Merger, and may divert the attention of management from our business and operational issues.

We may pursue acquisitions, investments, joint ventures and dispositions, which could adversely affect our results of operations.

Our growth strategy includes acquiring or investing in businesses that offer complementary products, services and technologies, or enhance our market coverage or technological capabilities.

Any acquisitions we may undertake, including the VMware Merger, and their integration involve risks and uncertainties, such as:

- unexpected delays, challenges and related expenses, and disruption of our business;
- diversion of management's attention from daily operations and the pursuit of other opportunities;
- incurring significant restructuring charges and amortization expense, assuming liabilities (some of which may be unexpected) and ongoing or new lawsuits, potential impairment of acquired goodwill and other intangible assets, and increasing our expenses and working capital requirements;
- the potential for deficiencies in internal controls at the acquired business, as well as implementing our own management information systems, operating systems and internal controls for the acquired operations;
- our due diligence process may fail to identify significant issues with the acquired business' products, financial disclosures, accounting practices, legal, tax and other contingencies, compliance with local laws and regulations (and interpretations thereof) in the U.S. and multiple international jurisdictions;
- additional acquisition-related debt, which could increase our leverage and potentially negatively affect our credit ratings resulting in more restrictive borrowing terms or increased borrowing costs thereby limiting our ability to borrow;
- dilution of stock ownership of existing stockholders;
- difficulties integrating the acquired business or company and in managing and retaining acquired employees, vendors and customers; and
- inaccuracies in our original estimates and assumptions used to assess a transaction, which may result in us not realizing the expected financial or strategic benefits of any such transaction.

In addition, current and future changes to the U.S. and foreign regulatory approval process and requirements related to acquisitions may cause approvals to take longer than anticipated, not be forthcoming or contain burdensome conditions, which may prevent the transaction or jeopardize, delay or reduce the anticipated benefits of the transaction, and impede the execution of our business strategy.

From time to time, we may also seek to divest or wind down portions of our business, either acquired or otherwise, or we may exit minority investments, any of which could materially affect our cash flows and results of operations. Such dispositions involve risks and uncertainties, including our ability to sell such businesses on terms acceptable to us, or at all, disruption to other parts of our business, potential loss of employees or customers, or exposure to unanticipated liabilities or ongoing obligations to us following any such dispositions. In addition, dispositions may include the transfer of technology and/or the licensing of certain IP rights to third-party purchasers, which could limit our ability to utilize such IP rights or assert these rights against such third-party purchasers or other third parties.

We are subject to risks associated with our distributors and other channel partners, including product inventory levels and product sell-through.

We sell our products through a direct sales force and a select network of distributors and other channel partners globally. Sales to distributors accounted for 57% of our net revenue in the fiscal year ended October 29, 2023 and are subject to a number of risks, including:

- fluctuations in demand based on our distributors' product inventory levels and end customer demand;
- our distributors and other channel partners are generally not subject to minimum sales requirements or any obligation to market our products to their customers:
- our distributors and other channel partners agreements are generally nonexclusive and may be terminated at any time without cause;
- · our lack of control over the timing of delivery of our products to end customers; and
- our distributors and other channel partners may market and distribute competing products and may place greater emphasis on the sale of these
 products.

We expect our dependence on channel partners will increase following the VMware Merger. Failure to maintain good relationships with our distributors and channel partners could adversely impact our business. In addition, we sell our semiconductor products through an increasingly limited number of distributors, which exposes us to additional customer concentration and related credit risks.

We do not always have a direct relationship with the end customers of our products. As a result, our semiconductor products may be used in applications for which they were not necessarily designed or tested, including, for example, medical devices, and they may not perform as anticipated in such applications. In such event, failure of even a small number of parts could result in significant liabilities to us, damage our reputation and harm our business and results of operations.

Our business would be adversely affected by the departure of existing members of our senior management team.

Our success depends, in large part, on the continued contributions of our senior management team, and in particular, the services of Hock E. Tan, our President and Chief Executive Officer. Effective succession planning is also important for our long-term success. Failure to ensure effective transfers of knowledge and smooth transitions involving senior management could hinder our strategic planning and execution. None of our senior management is bound by written employment contracts. In addition, we do not currently maintain key person life insurance covering our senior management. The loss of any of our senior management could harm our ability to implement our business strategy and respond to the rapidly changing market conditions in which we operate.

If we are unable to attract and retain qualified personnel, especially our engineering and technical personnel, we may not be able to execute our business strategy effectively.

Our future success depends on our ability to attract, retain and motivate qualified personnel. As the source of our technological and product innovations, our engineering and technical personnel (including cyber security experts) are a significant asset. Competition for these employees is significant in many areas of the world in which we operate, particularly in Silicon Valley and Southeast Asia where qualified engineers are in high demand. In addition, current or future immigration laws may make it more difficult to hire or retain qualified engineers, further limiting the pool of available talent. We believe equity awards provide a powerful long-term retention incentive and have historically granted these awards to the substantial majority of our employees. If we are unable to continue our current equity granting philosophy, this could impair our efforts to attract and retain necessary personnel. Any inability to retain, attract or motivate such personnel and provide competitive employment benefits could have a material adverse effect on our business, financial condition and results of operations.

An impairment of the confidentiality, integrity, or availability of our IT systems, or those of one or more of our corporate infrastructure vendors could have a material adverse effect on our business.

Our business depends on a wide variety of complex IT systems and services, including cloud-based and other critical corporate services relating to, among other things, product research and development, financial reporting, product orders and fulfillment, HR, benefit plan administration, IT network management, and electronic communication and collaboration services. These systems and services are both internally managed and outsourced, and in many cases we rely upon third-party data centers. Any failure of these internal or third-party systems and services to operate effectively could disrupt our operations and could have a material adverse effect on our business, financial condition and results of operations. Our operations are dependent upon our ability to protect our IT infrastructure against damage from business continuity events that could have a significant disruptive effect. Although these systems are designed to protect and secure our customers', suppliers' and employees' confidential information, as well as our own proprietary information, we are, out of necessity, dependent on our vendors to adequately address cyber security threats to their own systems. In addition, software products we use and technologies produced by us have occasionally had in the past and may have in the future, vulnerabilities that, if left unmitigated, could reduce the overall level of security of the systems on which the software is installed.

Cyber-attacks are increasing in number and sophistication, are well-financed, in some cases supported by state actors, and are designed to not only attack, but also to evade detection. Since the techniques used to obtain unauthorized access to systems, or to otherwise sabotage them, change frequently and are often not recognized until launched against a target, we

may be unable to anticipate these techniques or to implement adequate preventative measures. As a critical vendor in the digital supply chain for both governmental entities and critical infrastructure operators, we and our products may be targeted by those seeking to threaten the confidentiality, integrity and availability of systems supporting essential public services. Geopolitical instability may increase the likelihood that we will experience direct or collateral consequences from cyber conflicts between nation-states or other politically motivated actors targeting critical technology infrastructure.

Accidental or willful security breaches or other unauthorized access to our information systems or the systems of our service providers and business partners, or the existence of computer viruses or malware (such as ransomware) in our or their data or software have in the past, and could in the future, expose us to a risk of information loss, business disruption, and misappropriation of proprietary and confidential information, including information relating to our products or customers and the personal information of our employees or third parties. Such an event could disrupt our business and result in, among other things, unfavorable publicity, damage to our reputation, loss of our trade secrets and other competitive information, litigation by affected parties and possible financial obligations for liabilities and damages related to the theft or misuse of such information, significant remediation costs, disruption of key business operations and significant diversion of our resources, as well as fines and other sanctions resulting from any related breaches of data privacy regulations (such as the General Data Protection Regulation), any of which could have a material adverse effect on our business, profitability and financial condition. While we may be entitled to damages if our vendors fail to perform under their agreements with us, any award may be insufficient to cover the actual costs incurred by us and, as a result of a vendor's failure to perform, we may be unable to collect any damages.

Despite our internal controls and investment in security measures, we have, from time to time, been subject to disruptive cyber-attacks and unauthorized network intrusions and malware on our own IT networks or those of our service providers or business partners. Although no such cyber security incidents have been material to Broadcom, we continue to devote resources to protect our systems and data from unauthorized access or misuse, and we may be required to expend greater resources in the future. Businesses we acquire may increase the scope and complexity of our IT networks, and this may increase our risk exposure to cyber-attacks when there are difficulties integrating diverse legacy systems that support operations for the acquired businesses.

In addition, certain aspects of effective cybersecurity are dependent upon our employees, contractors and other trusted partners reliably safeguarding secrets (e.g., application credentials) and adhering to our security policies and access control mechanisms. We have in the past experienced, and expect in the future to experience, security incidents arising from a failure to properly handle such secrets or adhere to such policies and, although no such events have had a material adverse effect on our business, there can be no assurance that an insider threat will not result in an incident that is material to Broadcom. Our logging, alerting and cyber incident detection mechanisms may not cover every system potentially targeted by threat actors, may not have the capability to detect certain types of unauthorized activities, and may not capture and surface information sufficient to enable us to timely detect and take responsive action to insider or external threats.

U.S. and foreign regulators, as well as customers and service providers, have also increased their focus on cyber security vulnerabilities and risks. Compliance with laws, regulations, and contractual provisions concerning privacy, cyber security, secure technology development, data governance, data protection, confidentiality and IP could result in significant expense, and any failure to comply could result in proceedings against us by regulatory authorities or other third parties and may also increase our overall compliance burden.

We operate in the highly cyclical semiconductor industry.

The semiconductor industry is highly cyclical and is characterized by price erosion, wide fluctuations in product supply and demand, constant and rapid technological change, evolving technical standards, frequent new product introductions, and short product life cycles (for semiconductors and for many of the end products in which they are used). From time to time, these factors, together with changes in general economic conditions, cause significant upturns and downturns in the industry in general, and in our business in particular. The industry previously experienced a significant upturn due to a supply imbalance that resulted in record profitability and increases in average selling prices. The industry, however is currently experiencing a downturn, and historically, such down-cycles have been characterized by diminished demand for end-user products, high inventory levels and periods of inventory adjustment, under-utilization of manufacturing capacity, changes in revenue mix, accelerated erosion of average selling prices and elimination of expedite fees leading to reduced profitability and a decline in our stock price. The Creating Helpful Incentives to Produce Semiconductors for America Act could also result in an increase in supply leading to excess inventory and a decrease in average selling prices. We expect our business to continue to be subject to cyclical downturns even when overall economic conditions are relatively stable. If we cannot offset industry or market downturns, our net revenue may decline and our financial condition and results of operations may suffer.

The majority of our sales have historically come from a small number of customers and a reduction in demand or loss of one or more of our significant customers may adversely affect our business.

We have historically depended on a small number of end customers, OEMs, their respective contract manufacturers ("CMs") and certain distributors for a majority of our business and revenue. For fiscal year 2023, sales to distributors accounted for 57% of our net revenue. We believe aggregate sales, through all channels, to Apple and our top five end customers, accounted for approximately 20% and 35% of our net revenue for fiscal year 2023, respectively. This customer concentration increases the risk of quarterly fluctuations in our operating results and our sensitivity to any material adverse developments experienced by our significant customers.

Our semiconductor customers are not generally required to purchase specific quantities of products. Even when customers agree to source an agreed portion of their product needs from us, such arrangements often include pricing schedules or methodologies that apply regardless of the volume of products purchased, and those customers may not purchase the amount of product we expect. As a result, we may not generate the amount of revenue or achieve the level of profitability we expect under such arrangements. Moreover, our top customers' purchasing power has, in some cases, given them the ability to make greater demands on us with regard to pricing and contractual terms in general. We expect this trend to continue, which may adversely affect our gross margin on certain products and, should we fail to perform under these arrangements, we could also be liable for significant monetary damages.

The loss of, or any substantial reduction in sales to, any of our top customers could have a material adverse effect on our business, financial condition, results of operations and cash flows.

Dependence on contract manufacturing and suppliers of critical components within our supply chain may adversely affect our ability to bring products to market, damage our reputation and adversely affect our results of operations.

We operate a primarily outsourced manufacturing business model that principally utilizes CMs, such as third-party wafer foundries and module assembly and test capabilities. Our semiconductor products require wafer manufacturers with state-of-the-art fabrication equipment and techniques, and most of our products are designed to be manufactured in a specific process, typically at one particular fab or foundry, either our own or with a particular CM.

We depend on our CMs to allocate sufficient manufacturing capacity to meet our needs, to produce products of acceptable quality at acceptable yields, and to deliver those products to us on a timely basis. We do not generally have long-term capacity commitments with our CMs and substantially all of our manufacturing services are on a purchase order basis with no minimum quantities. Further, our CMs may fail to timely develop new, advanced manufacturing processes, including transitions to smaller geometry process technologies or, from time to time, will cease to, or will become unable to, manufacture a component for us. As lead times to identify, qualify and establish reliable production at acceptable yields with a new CM is typically lengthy, there is often no readily available alternative source and there may be other constraints on our ability to change CMs. In addition, qualifying new CMs is often expensive, and they may not produce products as cost-effectively as our current suppliers.

TSMC, one of our CMs, manufactured approximately 90% of the wafers manufactured by our CMs during fiscal year 2023. We believe our wafer requirements represent a meaningful portion of TSMC's total production capacity. However, TSMC also fabricates wafers for other companies, including some of our competitors, and could choose or be required to prioritize capacity for other customers or reduce or eliminate deliveries to us on short notice. In addition, TSMC has, and may in the future, raise their prices to us.

If any of the foregoing circumstances occur, we may be unable to meet our customer demand, or to the same extent as our competitors, fail to meet our contractual obligations or forgo revenue opportunities. This could damage our relationships with our customers or result in litigation for alleged failure to meet our obligations, payment of significant damages, and our net revenue could decline, adversely affecting our business, financial condition, results of operations and gross margin.

Further, any substantial disruption in the contract manufacturing services that we utilize, including TSMC's supply of wafers to us, as a result of a natural disaster, climate change, water shortages, political unrest, military conflicts, geopolitical turmoil, trade tensions, government orders, labor shortages, medical epidemics, such as the COVID-19 pandemic, economic instability, equipment failure or other cause, could materially harm our business, customer relationships and results of operations.

We purchase a significant amount of the materials used in our products from a limited number of suppliers.

Our manufacturing processes and those of our CMs rely on many materials, including silicon, GaAs and InP wafers, copper lead frames, precious and rare earth metals, mold compound, ceramic packages and various chemicals and gases. During fiscal year 2023, we purchased approximately two-thirds of our manufacturing materials from five materials providers, some of which are single source suppliers. As certain materials are highly specialized, the lead time needed to identify and qualify a new supplier is typically lengthy and there is often no readily available alternative source. We do not generally have long-term

contracts with our materials providers and substantially all of our purchases are on a purchase order basis. Suppliers may extend lead times, limit supplies, place products on allocation or increase prices due to commodity price increases, capacity constraints, inflation, or other factors, any of which could lead to interruption of supply or increased demand in the industry. For example, macroeconomic and geopolitical conditions, as well as the COVID-19 pandemic, caused some supply constraints and increases in prices, including with respect to wafers and substrates. Additionally, the supply of these materials may be negatively impacted by increased trade tensions between the U.S. and its trading partners, particularly China. Any such supply constraints could result in loss of revenue opportunities and adversely impact our business, financial condition and results of operations.

Failure to adjust our manufacturing and supply chain to accurately meet customer demand could adversely affect our results of operations.

We make significant decisions, including determining the levels of business that we will seek and accept, production schedules, levels of reliance on contract manufacturing and outsourcing, internal fabrication utilization and other resource requirements, based on customer requirements or estimates thereof, which may not be accurate.

We largely build to order and have extended customer lead times substantially, which has limited and may continue to limit our ability to fulfill orders and satisfy all of the demand for our products. Customers may require rapid increases in production on short notice. If we are unable to meet such increases in demand, this could damage our customer relationships, reduce revenue growth and margins, subject us to additional liabilities, harm our reputation, and prevent us from taking advantage of opportunities.

Conversely, if actual sales of our products is lower than expected, we may also experience higher inventory carrying and operating costs and product obsolescence. Because certain of our sales, research and development, and internal manufacturing overhead expenses are relatively fixed, a reduction in customer demand may also decrease our gross margin and operating income.

Winning business in the semiconductor solutions industry is subject to a lengthy process that often requires us to incur significant expense, from which we may ultimately generate no revenue.

Our semiconductor business is dependent on us winning competitive bid selection processes, known as "design wins". These selection processes are typically lengthy and can require us to dedicate significant development expenditures and scarce engineering resources in pursuit of a single customer opportunity. Failure to obtain a particular design win may prevent us from obtaining design wins in subsequent generations of a particular product. This can result in lost revenue and can weaken our position in future selection processes.

Winning a product design does not guarantee sales to a customer. A delay or cancellation of a customer's plans could materially and adversely affect our financial results, as we incur significant expense in the design process and may generate little or no revenue from it. In addition, the timing of design wins is unpredictable and implementing production for a major design win, or multiple design wins at the same time, may strain our resources and those of our CMs. In such event, we may be forced to dedicate significant additional resources and incur additional costs and expenses. Further, often customers will only purchase limited numbers of evaluation units until they qualify the products and/or the manufacturing line for those products. The qualification process can take significant time and resources. Delays in qualification or failure to qualify our products may cause a customer to discontinue use of our products and result in a significant loss of revenue. Finally, customers could choose at any time to stop using our products or could fail to successfully market and sell their products, which could reduce demand for our products and cause us to hold excess inventory, materially adversely affecting our business, financial condition and results of operations. These risks are exacerbated by the fact that many of our products, and the end products into which our products are incorporated, often have very short life cycles.

A prolonged disruption of our manufacturing facilities, research and development facilities, warehouses or other significant operations, or those of our suppliers, could have a material adverse effect on our business, financial condition and results of operations.

Although we operate a primarily outsourced manufacturing business model, we also rely on our own manufacturing facilities, in particular in Fort Collins, Colorado, Singapore, and Breinigsville, Pennsylvania. We use these internal fabrication facilities for products utilizing our innovative and proprietary processes. Our Fort Collins and Breinigsville facilities are the sole sources for the FBAR components used in many of our wireless devices and for the InP-based wafers used in our fibre optics products, respectively. Many of our facilities, and those of our CMs and suppliers, are located in California and the Pacific Rim region, which have above average seismic activity and severe weather activity. In addition, a significant majority of our research and development personnel are located in the Czech Republic, India, Israel, and the U.S., with the expertise of the personnel at each such location tending to be focused on one or two specific areas, and our primary warehouse is in Malaysia.

A prolonged disruption at or shut-down of one or more of our manufacturing facilities or warehouses, especially our Colorado, Singapore, Malaysia and Pennsylvania facilities, or those of our CMs or suppliers, due to natural- or man-made

disasters or other events outside of our control, such as equipment malfunction or widespread outbreaks of acute illness, including COVID-19, or for any other reason, would limit our capacity to meet customer demands and delay new product development until a replacement facility and equipment, if necessary, were found. To date, we have not experienced a material event, however such an event could disrupt our operations, delay production, shipments and revenue, result in us being unable to timely satisfy customer demand, expose us to claims by our customers, result in significant expense to repair or replace our affected facilities, and, in some instances, could significantly curtail our research and development efforts in a particular product area or target market. As a result, we could forgo revenue opportunities, potentially lose market share, damage our customer relationships and be subject to litigation and additional liabilities, all of which could materially and adversely affect our business. Although we purchase insurance to mitigate certain losses, such insurance often carries a high deductible amount and any uninsured losses could negatively affect our operating results. In addition, even if we were able to promptly resume production of our affected products, if our customers cannot timely resume their own manufacturing following such an event, they may cancel or scale back their orders from us and this may in turn adversely affect our results of operations. Such events could also result in increased fixed costs relative to the revenue we generate and adversely affect our results of operations.

We may be unable to maintain appropriate manufacturing capacity or product yields at our own manufacturing facilities, which could adversely affect our relationships with our customers, and our business, financial condition and results of operations.

We must maintain appropriate capacity and product yields at our own manufacturing facilities to meet anticipated customer demand. From time to time, this requires us to invest in expansion or improvements of those facilities, which often involves substantial cost and other risks. Such expanded manufacturing capacity may still be insufficient, or may not come online soon enough, to meet customer demand and we may have to put customers on product allocation, forgo sales or lose customers as a result. Conversely, if we overestimate customer demand, we would experience excess capacity and fixed costs at these facilities will not be fully absorbed, all of which could adversely affect our results of operations. Similarly, reduced product yields, due to design or manufacturing issues or otherwise, may involve significant time and cost to remedy and cause delays in our ability to supply product to our customers, all of which could cause us to forgo sales, incur liabilities or lose customers, and harm our results of operations.

We may be involved in legal proceedings, including IP, securities litigation, and employee-related claims, which could, among other things, divert efforts of management and result in significant expense and loss of our IP rights.

We are often involved in legal proceedings, including cases involving our IP rights and those of others, commercial matters, acquisition-related suits, securities class action suits, employee-related claims and other actions. Litigation or settlement of such actions, regardless of their merit, can be costly, lengthy, complex and time consuming, diverting the attention and energies of our management and technical personnel.

The industries in which we operate are characterized by companies holding large numbers of patents, copyrights, trademarks and trade secrets and by the vigorous pursuit, protection and enforcement of IP rights, including actions by patent-holding companies that do not make or sell products. From time to time, third parties assert against us and our customers and distributors their IP rights to technologies that are important to our business. For example, in September 2023 we settled a patent infringement claim filed by California Institute of Technology against Broadcom and Apple.

Many of our customer agreements, and in some cases our asset sale agreements, and/or the laws of certain jurisdictions may require us to indemnify our customers or purchasers for third-party IP infringement claims, including costs to defend those claims, and payment of damages in the case of adverse rulings. However, our CMs and suppliers may or may not be required to indemnify us should we or our customers be subject to such third-party claims. Claims of this sort could also harm our relationships with our customers and might deter future customers from doing business with us. If any pending or future proceedings result in an adverse outcome, we could be required to:

- cease the manufacture, use or sale of the infringing products, processes or technology and/or make changes to our processes or products;
- pay substantial damages for past, present and future use of the infringing technology, including up to treble damages if willful infringement is found;
- expend significant resources to develop non-infringing technology;
- · license technology from the third-party claiming infringement, which license may not be available on commercially reasonable terms, or at all;
- · enter into cross-licenses with our competitors, which could weaken our overall IP portfolio and our ability to compete in particular product categories;

- pay substantial damages to our direct or end customers to discontinue use or replace infringing technology with non-infringing technology; or
- relinquish IP rights associated with one or more of our patent claims.

Any of the foregoing results could have a material adverse effect on our business, financial condition and results of operations.

In addition, we may be obligated to indemnify our current or former directors or employees, or former directors or employees of companies that we have acquired, in connection with such litigation. These liabilities could be substantial and may include, among other things, the cost of defending lawsuits against these individuals, as well as stockholder derivative suits; civil or criminal fines and penalties; legal and other expenses; and expenses associated with the remedial measure, if any, which may be imposed.

If demand for our data center virtualization products is less than anticipated, our business could be adversely affected.

We expect to generate a significant portion of our software revenue from our data center virtualization products. However, if businesses build new or shift existing compute workloads off-premises to public cloud providers, this could limit the market for on-premises deployments of our data center virtualization products. Although we have developed, and will continue to develop, products to extend our product offerings to the public cloud, if demand for our server virtualization products is significantly less than anticipated, our business, financial condition, results of operations and cash flows may be adversely affected.

The growth of our software business depends on customer acceptance of our newer products and services.

Many of our software products and services are based on data center virtualization, application modernization and related hybrid-cloud technologies used to manage distributed computing architectures, which form the foundation for hybrid-cloud computing. We expect to increase product development and marketing and sales efforts toward products and services that enable businesses to modernize applications and efficiently implement their hybrid-cloud services. These cloud and SaaS initiatives present new and difficult technological, operational and compliance challenges. We expect significant investments will be required to develop or acquire solutions to address those challenges. Current and future customers may not perceive benefits and cost savings associated with adopting our hybrid-cloud and application platform solutions or we may fail to realize returns on our investments in new initiatives, which could harm our results of operations.

If our software products do not remain compatible with ever-changing operating environments, platforms, or third-party products, demand for our products and services could decrease, which could materially adversely affect our business.

We may be required to make substantial modification of our products to maintain compatibility with operating systems, systems software and computer hardware used by our customers or to provide our customers with desired features or capabilities. We must also continually address the challenges of dynamic and accelerating market trends and competitive developments, such as the emergence of advanced persistent threats in the security space to compete effectively. There can be no assurance that we will be able to adapt our products in response to these developments.

Further, our software solutions interact with a variety of software and hardware developed by third parties, as well as cloud providers. If we lose access to third-party code and specifications for the development of code or cloud providers fail to support our products or otherwise limit the functionality, compatibility or certification of our products, this could negatively impact our ability to develop compatible software. In addition, if software providers and hardware manufacturers, including some of our largest vendors, adopt new policies restricting the use or availability of their code or technical documentation for their operating systems, applications, or hardware, or otherwise impose unfavorable terms and conditions for such access, this could result in higher research and development costs for the enhancement and modification of our existing products or development of new products. Any additional restrictions could materially adversely affect our business, financial condition and operating results and cash flow.

Failure to enter into software license agreements on a satisfactory basis could materially adversely affect our business.

Many of our existing customers have multi-year enterprise software license agreements, some of which involve substantial aggregate fee amounts. These customers often do not have a contractual obligation to purchase additional solutions. Customer renewal rates may decline or fluctuate as a result of a number of factors, including the level of customer satisfaction with our solutions or customer support, customer budgets and the pricing of our solutions as compared with the solutions offered by our competitors, any of which may cause our revenue to grow more slowly than expected, if at all. The failure to renew customer agreements of similar scope, on terms that are commercially attractive to us, could materially adversely affect our business, financial condition and operating results and cash flow.

Certain software that we use in our products is licensed from third parties and may not be available to us in the future, which may delay product development and production or cause us to incur additional expense.

Some of our solutions contain software licensed from third parties, some of which may not be available to us in the future on terms that are acceptable to us or allow our products to remain competitive. The loss of these licenses or the inability to maintain any of them on commercially acceptable terms could delay development of future products or the enhancement of existing products.

Our use of open source software in certain products and services could materially adversely affect our business, financial condition, operating results and cash flow.

Many of our products and services incorporate open source software, the use of which may subject us to certain conditions, including the obligation to offer such products for no cost or to make the proprietary source code of those products publicly available. Open source licenses are generally "as-is" and do not provide warranties, support or assurance of title or controls on origin of the software, which exposes us to potential liability if the software fails to work or infringes the intellectual property of a third-party.

Although we monitor our use of open source software to avoid subjecting our products to unintended conditions and exposing us to unacceptable financial risk, such use, under certain circumstances, could materially adversely affect our business, financial condition and operating results and cash flow, including if we are required to take remedial action that may divert resources away from our development efforts. In addition, we may receive inquiries or claims from authors, distributors or recipients of open source software included in our products regarding our compliance with the conditions of such open source licenses and we may be required to take steps to avoid or remedy an alleged infringement or noncompliance, including modifying our product code, stopping the distribution of some of our products, paying damages or releasing the source code of our propriety software. Further, although we believe that we have complied with our obligations under the licenses for such open source software, there is little legal precedent governing the interpretation of some terms in some of these licenses, which increases the risk that a court could interpret the licenses differently than we do.

Failure of our software products to manage and secure IT infrastructures and environments could have a material adverse effect on our business.

Certain aspects of our software products are intended to manage and secure IT infrastructures and environments, and as a result, we expect these products to be ongoing targets of cyber-attacks. Open source code or other third-party software used in these products could also be targeted and may make our products vulnerable to additional security risks not posed by purely proprietary products. Our products are complex and, when deployed, may contain errors, defects or security vulnerabilities, some of which may not be discovered before the product has been released, installed and used by customers. The complexity and breadth of our technical and production environments, which involve globally dispersed development and engineering teams, increases the risk that errors, defects or vulnerabilities will be introduced and may delay our ability to detect, mitigate or remediate such incidents.

In the past, elements of our proprietary source code have been exposed in an unauthorized manner. It is possible that such exposure of source code could reveal unknown security vulnerabilities in our products that could be exploited by malicious actors. Our products are also subject to known and unknown security vulnerabilities resulting from integration with third-party products or services.

Although we continually seek to improve our countermeasures to prevent such incidents, we may be unable to anticipate every scenario and it is possible that certain cyber threats or vulnerabilities will be undetected or unmitigated in time to prevent an attack or an accidental incident on us and our customers. Additionally, efforts by malicious cyber actors or others could cause interruptions, delays or cessation of our product licensing, or modification of our software, which could cause us to lose existing or potential customers.

A successful cyber-attack involving our products could cause customers and potential customers to believe our services are ineffective or unreliable and result in, among other things, the loss of customers, unfavorable publicity, damage to our reputation, difficulty in marketing our products, allegations by our customers that we have not performed our contractual obligations and give rise to significant costs, including costs related to developing solutions or indemnification obligations under our agreements. Any such event could adversely impact our revenue and results of operations. See also "An impairment of the confidentiality, integrity, or availability of our IT systems, or those of one or more of our corporate infrastructure vendors, could have a material adverse effect on our business".

Our sales to government customers subject us to uncertainties and governmental regulations, which could have a material adverse effect on our business.

Our contracts signed with the U.S. federal, state and local government and non-U.S. government agencies are generally subject to annual fiscal funding approval and may be renegotiated or terminated at the discretion of the government.

Termination, renegotiation or the lack of funding approval for a contract could adversely affect our sales, revenue and reputation. Additionally, our government contracts and our arrangements with channel partners who may sell directly to government customers are generally subject to certain requirements, some of which are generally not present in commercial contracts and/or may be complex, as well as to audits and investigations. Failure to meet contractual requirements could result in various civil and criminal actions and penalties, and administrative sanctions, including termination of contracts, refund of a portion of fees received, forfeiture of profits, suspension of payments, fines and suspensions or debarment from doing business with the government, which could materially adversely affect our business, financial condition, operating results and cash flow.

Failure to effectively manage our products and services lifecycles could harm our business.

As part of the natural lifecycle of our products and services, customers are informed when products or services will be reaching their end of life or end of availability and will no longer be supported or receive updates and security patches. If these products or services remain subject to a service contract, the customer may transition to alternative products or services. Failure to effectively manage our products and services lifecycles could lead to customer dissatisfaction and contractual liabilities, which could adversely affect our business and operating results.

Our operating results are subject to substantial quarterly and annual fluctuations.

Our operating results have fluctuated in the past and are likely to fluctuate in the future. These fluctuations may occur on a quarterly and annual basis and are due to a number of factors, many of which are beyond our control. In addition to many of the risks described elsewhere in this "Risk Factors" section, these factors include, among others:

- the timing of launches by our customers of new product in which our products are included and changes in end-user demand for our customers' products:
- fluctuations in the levels of component or product inventories held by our customers, which may lead to increased requests to delay shipment of our products:
- the shift to cloud-based IT solutions and services, such as hyperscale computing, which may adversely affect the timing and volume of sales of our
 products for use in traditional enterprise data centers;
- the timing of new software contracts and renewals, as well as the timing of any terminations of software contracts that require us to refund to customers any pre-paid amounts under the contract;
- our ability to timely develop, introduce and market new products and technologies;
- the timing and extent of our software license and subscription revenue, and other non-product revenue;
- new product announcements and introductions by us or our competitors;
- · seasonality or other fluctuations in demand in our markets;
- timing and amount of research and development and related new product expenditures, and the timing of receipt of any research and development grant monies; and
- · timing of any regulatory changes, particularly with respect to trade sanctions and customs duties and tariffs, and tax reform.

The foregoing factors are often difficult to predict, and these, as well as other factors, could materially adversely affect our quarterly or annual operating results. In addition, a significant amount of our operating expenses are relatively fixed in nature. Any failure to adjust spending quickly enough to compensate for a revenue shortfall could magnify the adverse impact of such revenue shortfall on our results of operations. As a result, we believe that quarter-to-quarter comparisons of our revenue and operating results may not be meaningful or reliable indicators of our future performance. If our operating results in one or more future quarters fail to meet the expectations of securities analysts or investors, a significant decline in the trading price of our common stock may occur, which may happen immediately or over time.

Competition in our industries could prevent us from growing our revenue.

The industries in which we operate are highly competitive and characterized by rapid technological changes, evolving industry standards, changes in customer requirements, often aggressive pricing practices and, in some cases, new delivery methods. We expect competition in these industries to continue to increase as existing competitors improve or expand their product offerings or as new competitors enter our markets.

Some of our competitors have longer operating histories, greater name recognition, a larger installed customer base, larger technical staffs, more established relationships with vendors or suppliers, or greater manufacturing, distribution, financial, research and development, technical and marketing resources than us. We also face competition from public cloud

providers, numerous smaller companies that specialize in specific aspects of the highly fragmented software industry, open source authors who provide software and IP for free, competitors who offer their products through try-and-buy or freemium models, and customers who develop competing products.

In addition, the trend toward consolidation is changing the competitive landscape. We expect this trend to continue, which may result in combined competitors having greater resources than us. Some of our competitors may also receive financial and other support from their home country government or may have a greater presence in key markets, a larger customer base, a more comprehensive IP portfolio or better patent protection than us.

The actions of our competitors, in the areas of pricing and product bundling in particular, could have a substantial adverse impact on us. Further, competitors may leverage their superior market position, as well as IP or other proprietary information, including interface, interoperability or technical information, in new and emerging technologies and platforms that may inhibit our ability to compete effectively. If we are unable to compete successfully, we may lose market share for our products or incur significant reduction in our gross margins, either of which could have a material adverse effect on our business and results of operations.

Our gross margin is dependent on a number of factors, including our product mix, price erosion, acquisitions we may make, level of capacity utilization and commodity prices.

Our gross margin is highly dependent on product mix, which is susceptible to seasonal and other fluctuations in our markets. A shift in sales mix away from our higher margin products, as well as the timing and amount of our software licensing and non-product revenue, could adversely affect our future gross margin percentages. In addition, increased competition and the existence of product alternatives, more complex engineering requirements, lower demand, industry oversupply or reductions in our technological lead compared to our competitors, and other factors have in the past and may in the future lead to further price erosion, lower revenue and lower margin. Conversely, periods of robust demand that create a supply imbalance can lead to higher gross margins that may not be sustainable over the longer term.

In addition, semiconductor manufacturing requires significant capital investment, leading to high fixed costs, including depreciation expense. If we are unable to utilize our owned manufacturing facilities at a high level, the fixed costs associated with these facilities will not be fully absorbed, resulting in higher average unit costs and a lower gross margin. Furthermore, we do not hedge our exposure to commodity prices, some of which are very volatile, and sudden or prolonged increases in commodity prices may adversely affect our gross margin.

Our gross margin may also be adversely affected if businesses or companies that we acquire have different gross margin profiles and by expenses related to such acquisitions.

We utilize a significant amount of IP in our business. If we are unable or fail to protect our IP, our business could be adversely affected.

Our success depends in part upon protecting our IP. To accomplish this, we rely on a combination of IP rights, including patents, copyrights, trademarks and trade secrets, as well as customary contractual protections with our customers, suppliers, employees and consultants. We spend significant resources to monitor and protect our IP rights, including the unauthorized use of our products, usage rates of the software seat licenses and subscriptions that we sell, and even with significant expenditures, we may not be able to protect the IP rights that are valuable to our business. We are unable to predict or assure that:

- our IP rights will not lapse or be invalidated, circumvented, challenged, or, in the case of third-party IP rights licensed to us, be licensed to others;
- our IP rights will provide competitive advantages to us;
- rights previously granted by third parties to IP licensed or assigned to us, including portfolio cross-licenses, will not hamper our ability to assert our IP rights or hinder the settlement of currently pending or future disputes;
- any of our pending or future patent, trademark or copyright applications will be issued or have the coverage originally sought;
- our IP rights will be enforced in certain jurisdictions where competition is intense or where legal protection may be weak; or
- we have sufficient IP rights to protect our products or our business.

Effective IP protection may be unavailable or more limited in other jurisdictions, relative to those protections available in the U.S., and may not be applied for or may be abandoned in one or more relevant jurisdictions. In addition, when patents expire, we lose the protection and competitive advantages they provided to us.

We also generate revenue from licensing royalty payments and from technology claim settlements relating to certain of our IP. Licensing of our IP rights, particularly exclusive licenses, may limit our ability to assert those IP rights against third parties, including the licensee of those rights. In addition, we may acquire companies with IP that is subject to licensing obligations to other third parties. These licensing obligations may extend to our own IP following any such acquisition and may limit our ability to assert our IP rights. From time to time, we pursue litigation to assert our IP rights, including, in some cases, against our customers and suppliers. Claims of this sort could also harm our relationships with our customers and might deter future customers from doing business with us. Conversely, third parties have and may in the future pursue IP litigation against us, including as a result of our IP licensing business. An adverse decision in such types of legal action could limit our ability to assert our IP rights and limit the value of our technology, including the loss of opportunities to sell or license our technology to others or to collect royalty payments, which could otherwise negatively impact our business, financial condition and results of operations.

From time to time, we may need to obtain additional IP licenses or renew existing license agreements. We are unable to predict whether these license agreements can be obtained or renewed on acceptable terms or at all.

We are subject to warranty claims, product recalls and product liability.

From time to time, we may be subject to warranty or product liability claims that may lead to significant expense. Our customer contracts typically contain warranty and indemnification provisions, and in certain cases may also contain liquidated damages provisions, relating to product quality issues. The potential liabilities associated with such provisions are significant, and in some cases, including in agreements with some of our largest customers, are potentially unlimited. Any such liabilities may greatly exceed any revenue we receive from the relevant products. Costs, payments or damages incurred or paid by us in connection with warranty and product liability claims and product recalls could materially adversely affect our financial condition and results of operations. We may also be exposed to such claims as a result of any acquisition we may undertake in the future.

Product liability insurance is subject to significant deductibles and there is no guarantee that such insurance will be available or adequate to protect against all such claims, or we may elect to self-insure with respect to certain matters. For example, it is possible for one of our customers to recall a product containing one of our semiconductor devices. In such an event, we may incur significant costs and expenses, including among others, replacement costs, contract damage claims from our customers and reputational harm. Although we maintain reserves for reasonably estimable liabilities and purchase product liability insurance, our reserves may be inadequate to cover the uninsured portion of such claims. Conversely, in some cases, amounts we reserve may ultimately exceed our actual liability for particular claims and may need to be reversed.

The complexity of our products could result in unforeseen delays or expense or undetected defects or bugs, which could adversely affect the market acceptance of new products, damage our reputation with current or prospective customers, and materially and adversely affect our operating costs.

Highly complex products, such as those we offer, may contain defects and bugs when they are first introduced or as new versions, software documentation or enhancements are released, or their release may be delayed due to unforeseen difficulties during product development. If any of our products or third-party components used in our products, contain defects or bugs, or have reliability, quality or compatibility problems, we may not be able to successfully design workarounds. Furthermore, if any of these problems are not discovered until after we have commenced commercial production or deployment of a new product, we may be required to incur additional development costs and product recall, repair or replacement costs. Significant technical challenges also arise with our software products because our customers license and deploy our products across a variety of computer platforms and integrate them with a number of third-party software applications and databases. As a result, if there is system-wide failure or an actual or perceived breach of information integrity, security or availability occurs in one of our end-user customer's system, it can be difficult to determine which product is at fault and we could ultimately be harmed by the failure of another supplier's product. Consequently, our reputation may be damaged and customers may be reluctant to buy our products, which could materially and adversely affect our ability to retain existing customers and attract new customers. To resolve these problems, we may have to invest significant capital and other resources and we would likely lose, or experience a delay in, market acceptance of the affected product or products. These problems may also result in claims against us by our customers or others. For example, if a delay in the manufacture and delivery of our products causes the delay of a customer's end-product delivery, we may be required, under the terms of our agreement with that customer, to compensate the customer for the adverse effects of such delays. As

We make substantial investments in research and development and unsuccessful investments could materially adversely affect our business, financial condition and results of operations.

The industries in which we compete are characterized by rapid technological change, changes in customer requirements, frequent new product introductions and enhancements, short product cycles and evolving industry standards, and new

delivery methods. In addition, semiconductor products transition over time to increasingly smaller line width geometries and failure to successfully transition to smaller geometry process technologies could impair our competitive position. In order to remain competitive, we have made, and expect to continue to make, significant investments in research and development. If we fail to timely develop new and enhanced products and technologies, if we focus on technologies that do not become widely adopted, or if new competitive technologies that we do not support become widely accepted, demand for our products may be reduced. Increased investments in research and development or unsuccessful research and development efforts could cause our cost structure to fall out of alignment with demand for our products, which would have a negative impact on our financial results.

We collect, use, store, or otherwise process personal information, which subjects us to privacy and data security laws and contractual commitments, and our actual or perceived failure to comply with such laws and commitments could harm our business.

We collect, use and store (collectively, "process") a high volume, variety and velocity of certain personal information in connection with the operation of our business. This creates various levels of privacy risks across different parts of our business, depending on the type of personal information, the jurisdiction in question and the purpose of their processing. The personal information we process is subject to an increasing number of federal, state, local, and foreign laws and regulations regarding privacy and data security, as well as contractual commitments. Privacy legislation and other data protection regulations, enforcement and policy activity in this area are expanding rapidly in many jurisdictions and creating a complex regulatory compliance environment. Sectoral legislation, certification requirements and technical standards applying to certain categories of our customers, such as those is the financial services or public sector, have exacerbated this trend. The cost of complying with and implementing these privacy-related and data governance measures could be significant as they may create additional burdensome security, business process, business record or data localization requirements. Concerns about government interference, sovereignty, expanding privacy, cyber security and data governance legislation could adversely affect our customers and our products and services, particularly in cloud computing, artificial intelligence and our own data management practices. The theft, loss or misuse of personal data collected, used, stored or transferred by us to run our business could result in significantly increased business and security costs or costs related to defending legal claims. Any inadvertent failure or perceived failure by us to comply with privacy, data governance or cyber security obligations may result in governmental enforcement actions, litigation, substantial fines and damages, and could cause our customers to lose trust in us, which could have an adverse effect on our reputation and b

We are subject to environmental, health and safety laws, which could increase our costs, restrict our operations and require expenditures that could have a material adverse effect on our results of operations and financial condition.

We are subject to a variety of domestic and international laws and regulations relating to the use, disposal, clean-up of and human exposure to hazardous materials. Compliance with environmental, health and safety requirements could, among other things, require us to modify our manufacturing processes, restrict our ability to expand our facilities, or require us to acquire pollution control equipment, all of which can be very costly. Any failure by us to comply with such requirements could result in the limitation or suspension of the manufacture of our products and could result in litigation against us and the payment of significant fines and damages by us in the event of a significant adverse judgment. In addition, complying with any cleanup or remediation obligations for which we are or become responsible could be costly and have a material adverse effect on our business, financial condition and results of operations.

Changing requirements relating to the materials composition of our semiconductor products, including the restrictions on lead and certain other substances in electronic products sold in various countries, including the U.S., China and Japan, and in the European Union, increase the complexity and costs of our product design and procurement operations and may require us to re-engineer our products. Such re-engineering may result in excess inventory or other additional costs and could have a material adverse effect on our results of operations. We may also experience claims from employees from time to time with regard to exposure to hazardous materials or other workplace related environmental claims.

Environmental, social and governance ("ESG") matters may adversely affect our relationships with customers and investors.

There is an increasing focus from lawmakers, regulators, investors, customers, employees and other stakeholders concerning ESG matters, including environment, climate, diversity and inclusion, human rights and governance transparency. A number of our customers have adopted, or may adopt, procurement policies that include ESG provisions or requirements that their suppliers should comply with, or they may seek to include such provisions or requirements in their procurement terms and conditions. An increasing number of investors are also requiring companies to disclose ESG-related policies, practices and metrics. In addition, various jurisdictions are developing climate-related laws or regulations that could cause us to incur additional direct costs for compliance, as well as indirect costs resulting from our customers, suppliers, or additional compliance costs that are passed on to us. These legal and regulatory requirements, as well as investor expectations on ESG practices and disclosures, are subject to change, can be unpredictable, and may be difficult and expensive for us to comply

with, given the complexity of our supply chain and our outsourced manufacturing. Further, there is an increasing number of state-level anti-ESG initiatives in the United States that may conflict with other regulatory requirements or our various stakeholders' expectations. If we fail to comply with or meet the evolving legal and regulatory requirements or expectations of our various stakeholders, we may be subject to enforcement actions, required to pay fines, customers may stop purchasing products from us or investors may sell their shares, which could harm our reputation, revenue and results of operations. Our actual or perceived failure to achieve our ESG-related initiatives could negatively impact our reputation or harm our business.

In addition, as part of their ESG programs, an increasing number of OEMs are seeking to source products that do not contain minerals sourced from areas where proceeds from the sale of such minerals are likely to be used to fund armed conflicts, such as in the Democratic Republic of Congo. This could adversely affect the sourcing, availability and pricing of minerals used in the manufacture of semiconductor devices, including our products. As a result, we may face difficulties in satisfying these customers' demands, which may harm our sales and operating results.

The average selling prices of semiconductor products in our markets have often decreased rapidly and may do so in the future, which could harm our revenue and gross profit.

The semiconductor products we develop and sell are used for high volume applications. As a result, the prices of those products have often decreased rapidly. Gross profit on our products may be negatively affected by, among other things, pricing pressures from our customers. In the past, we have reduced the average selling prices of our products in anticipation of future competitive pricing pressures, new product introductions by us or our competitors and other factors. In addition, some of our customer agreements provide for volume-based pricing and product pricing roadmaps, which can also reduce the average selling prices of our products over time. Our margins and financial results will suffer if we are unable to offset any reductions in our average selling prices by increasing our sales volumes, reducing manufacturing costs, or developing new and higher value-added products on a timely basis.

Fluctuations in foreign exchange rates could result in losses.

We operate global businesses and our consolidated financial results are reported in U.S. dollars. However, some of the revenue and expenses of our foreign subsidiaries are denominated in local currencies. Fluctuations in foreign exchange rates against the U.S. dollar could result in substantial changes in reported revenues and operating results due to the foreign exchange impact of remeasuring these transactions into U.S. dollars.

In the normal course of business, we employ various hedging strategies to partially mitigate these risks, including the use of derivative instruments. These strategies may not be effective in protecting us against the effects of fluctuations in foreign exchange rates. As a result, fluctuations in foreign exchange rates could result in financial losses.

Risks Related to Our Taxes

Changes in tax legislation or policies could materially impact our financial position and results of operations.

Corporate tax reform, anti-base-erosion rules and tax transparency continue to be high priorities in many jurisdictions. As a result, policies regarding corporate income and other taxes in numerous jurisdictions are under heightened scrutiny and tax reform legislation has been, and will likely continue to be, proposed or enacted in a number of jurisdictions in which we operate.

After the enactment of the U.S. Tax Cuts and Jobs Act (the "2017 Tax Reform Act"), most of our income is taxable in the U.S. with a significant portion taxable under the Global Intangible Low-Taxed Income ("GILTI") regime. Beginning in fiscal year 2027, the deduction allowable under the GILTI regime will decrease from 50% to 37.5%, which will increase the effective tax rate imposed on our income. The 2017 Tax Reform Act also limits our ability to deduct research and development expenses beginning in fiscal year 2023. These expenses are now capitalized and amortized over 5 years (15 years for foreign expenses), which have and may continue to materially increase our cash tax costs. The U.S. also enacted the Inflation Reduction Act of 2022 ("IRA") in August 2022, which created a new book minimum tax of at least 15% of consolidated GAAP pre-tax income for corporations with average book income in excess of \$1 billion. This book minimum tax will first apply to our fiscal year 2024 and any increase in our effective tax rate or cash tax will depend on a number of factors, including any offsets for foreign tax credits or general business credits, or changes in book income following business combinations. The IRA also created an excise tax of 1% of the value of our stock repurchased after December 31, 2022. While the impact of this excise tax has not been material, it could increase materially depending on various factors, including the amount and frequency of our stock repurchases, applicability to business combination transactions, and any permitted reductions or exceptions to the amount subject to the tax. If (i) the U.S. tax rate increases, (ii) the deduction allowable under the GILTI regime is further reduced or eliminated, or (iii) additional limitations are put on our ability to deduct interest expense, our provision for income taxes, net income, and cash flows would be adversely impacted.

In addition, many countries are implementing legislation and other guidance to align their international tax rules with the Organisation for Economic Cooperation and Development's ("OECD") Base Erosion and Profit Shifting recommendations and

action plan that aim to standardize and modernize global corporate tax policy, including changes to cross-border tax, transfer pricing documentation rules, and nexus-based tax incentive practices. The OECD is also continuing discussions surrounding fundamental changes in allocation of profits among tax jurisdictions in which companies do business, as well as the implementation of a global minimum tax (namely the "Pillar One" and "Pillar Two" proposals). Many countries have enacted or begun the process of enacting laws based on Pillar Two proposals, which may adversely impact our provision for income taxes, net income and cash flows. As a result of this heightened scrutiny, prior decisions by tax authorities regarding treatments and positions of corporate income taxes could be subject to enforcement activities, and legislative investigation and inquiry, which could also result in changes in tax policies or prior tax rulings.

Any substantial changes in domestic or international corporate tax policies, regulations or guidance, enforcement activities or legislative initiatives may materially adversely affect our business, the amount of taxes we are required to pay and our financial condition and results of operations generally.

If the tax incentives or tax holiday arrangements we have negotiated change or cease to be in effect or applicable for any reason, or if our assumptions and interpretations regarding tax laws and incentives or holiday arrangements prove to be incorrect, our corporate income taxes could significantly increase.

Our operations are currently structured to benefit from the various tax incentives extended to us in various jurisdictions to encourage investment or employment. For example, absent our principal tax incentives from the Singapore Economic Development Board, which is scheduled to expire in 2025, the corporate income tax rate that would apply to our Singapore taxable income would be 17%. We also have a tax holiday on our qualifying income in Malaysia, which is scheduled to expire in fiscal year 2028. Each tax incentive and tax holiday is subject to our compliance with various operating and other conditions and may, in some instances, be amended or terminated prior to their scheduled termination date by the relevant governmental authority. If we cannot, or elect not to, comply with the operating conditions included in any particular tax incentive or tax holiday, we could, in some instances, be required to refund previously realized material tax benefits, or if such tax incentive or tax holiday is terminated prior to its expiration absent a new incentive applying, we will lose the related tax benefits earlier than scheduled. In addition, we may be required, or elect, to modify our operational structure and tax strategy in order to keep an incentive, which could result in a decrease in the benefits of the incentive. Our tax incentives could also be adversely impacted if the global minimum tax provisions (Pillar Two) are adopted in a country in which we have an existing tax incentive. Our tax incentives and tax holiday, before taking into consideration U.S. foreign tax credits, decreased the provision for income taxes by approximately \$2,104 million in the aggregate and increased diluted net income per share by \$4.93 for fiscal year 2023.

Our interpretations and conclusions regarding the tax incentives are not binding on any taxing authority, and if our assumptions about tax and other laws are incorrect or if these tax incentives are substantially modified or rescinded, we could suffer material adverse tax and other financial consequences, which would increase our expenses, reduce our profitability and adversely affect our cash flows.

Our income taxes and overall cash tax costs are affected by a number of factors that could materially, adversely affect financial results.

Significant judgment is required in determining our worldwide income taxes. In the ordinary course of our business, there are many transactions where the ultimate tax determination is uncertain. Additionally, our calculations of income taxes payable currently and on a deferred basis are based on our interpretations of applicable tax laws in the jurisdictions in which we are required to file tax returns. Although we believe our tax estimates are reasonable, there is no assurance that the final determination of our income tax liability will not be materially different than what is reflected in our income tax provisions and accruals.

Our income taxes are subject to volatility and could be adversely affected by numerous factors including:

- reorganization or restructuring of our businesses, tangible and intangible assets, outstanding indebtedness and corporate structure, including business combinations;
- iurisdictional mix of our income and assets:
- changes in the allocation of income and expenses, including adjustments related to changes in our corporate structure, acquisitions or tax law;
- changes in U.S and foreign tax laws and regulations, changes to the taxation of earnings of foreign subsidiaries, taxation of U.S. income generated from foreign sources, the deductibility of expenses attributable to income and foreign tax credit rules;
- tax effects of increases in non-deductible employee compensation; and
- changes in tax accounting rules or principles and in the valuation of deferred tax assets and liabilities.

We have adopted transfer pricing policies that call for the provision of services, the sale of products, the arrangement of financing and the grant of licenses from one affiliate to another at prices that we believe are negotiated on an arm's length basis. Our taxable income is dependent upon acceptance by local authorities that our operational practices and intercompany transfer pricing are on an arm's length basis. Due to inconsistencies in application of the arm's length standard among taxing authorities, as well as lack of comprehensive treaty-based protection, transfer pricing challenges by tax authorities could, if successful, result in adjustments for prior or future years. The effects of any such changes could subject us to higher taxes and our earnings, results of operations and cash flow would be adversely affected.

Further, we are subject to, and are under, tax audit in various jurisdictions, and such jurisdictions may assess additional income tax against us. Although we believe our tax positions are reasonable, the final determination of tax audits could be materially different from our income tax provisions and accruals. The ultimate result of an audit could have a material adverse effect on our results of operations and cash flows in the period or periods for which that determination is made.

As a result of the VMware Merger, we are subject to tax audits in various jurisdictions for the Dell consolidated group, of which VMware was a member beginning in Dell's fiscal year 2017 until November 2021. While VMware is no longer a member of the Dell consolidated group, it is still subject to audit for the periods in which it was member of the Dell consolidated group. While we believe VMware's positions are reasonable, the final determination of tax audits could be materially different from our income tax provisions and accruals. Further, pursuant to a tax agreement VMware and Dell, in the event VMware becomes subject to audits as a member of Dell's consolidated group, Dell has authority to control the audit and represent Dell and our interests, could limit our ability to affect the outcome of such audits.

We have potential tax liabilities as a result of VMware's former controlling ownership by Dell, which could have an adverse effect on our financial condition and operating results.

If the VMware spin-off from Dell in November 2021 is determined to not be tax-free for any reason, we could be liable for all or a portion of the tax liability, which could have a material adverse effect on our financial condition and operating results. Further, if the VMware Merger results in the spin-off failing to qualify as a tax-free transaction under Section 355 of the Internal Revenue Code, Dell, its affiliates and, potentially, its stockholders would incur significant tax liabilities and we may be required to indemnify Dell and its affiliates for any such tax liabilities, which could be material.

Risks Related to Our Indebtedness

Our substantial indebtedness could adversely affect our financial health and our ability to execute our business strategy.

As of October 29, 2023, the aggregate indebtedness under our senior notes was \$40,815 million. Subsequent to the end of fiscal year 2023, we borrowed \$30,390 million in term loans to finance the VMware Merger (the "2023 Term Loans"), and we assumed \$8,250 million of VMware's outstanding senior unsecured notes.

Our substantial indebtedness could have important consequences including:

- increasing our vulnerability to adverse general economic and industry conditions;
- exposing us to interest rate risk as our 2023 Term Loans bear floating interest rates, which we do not typically hedge against;
- · limiting our flexibility in planning for, or reacting to, changes in the economy and the semiconductor industry;
- placing us at a competitive disadvantage compared to our competitors with less indebtedness;
- making it more difficult to borrow additional funds in the future to fund growth, acquisitions, working capital, capital expenditures and other purposes; and
- potentially requiring us to dedicate a substantial portion of our cash flow from operations to payments on our indebtedness, thereby reducing the availability of our cash flow to fund our other business needs.

We receive debt ratings from the major credit rating agencies in the U.S. Factors that may impact our credit ratings include debt levels, planned asset purchases or sales and near-term and long-term production growth opportunities. Liquidity, asset quality, cost structure, reserve mix and commodity pricing levels could also be considered by the rating agencies. While we are focused on maintaining investment grade ratings from these agencies, we may be unable to do so. Any downgrade in our credit rating or the ratings of our indebtedness, or adverse conditions in the debt capital markets, could:

- · adversely affect the trading price of, or market for, our debt securities;
- increase interest expense under our term facilities;
- increase the cost of, and adversely affect our ability to refinance, our existing debt; and
- adversely affect our ability to raise additional debt.

The instruments governing our indebtedness impose certain restrictions on our business.

The instruments governing our indebtedness contain certain covenants imposing restrictions on our business. These restrictions may affect our ability to operate our business, to plan for, or react to, changes in the market conditions or our capital needs and may limit our ability to take advantage of potential business opportunities as they arise. The restrictions placed on us include maintenance of an interest coverage ratio and limitations on our ability to incur certain secured debt, enter into certain sale and lease-back transactions and consolidate, merge, sell or otherwise dispose of all or substantially all of our assets. In addition, the instruments contain customary events of default upon the occurrence of which, after any applicable grace period, the indebtedness could be declared immediately due and payable. In such event, we may not have sufficient available cash to repay such debt at the time it becomes due, or be able to refinance such debt on acceptable terms or at all. Any of the foregoing could materially adversely affect our business, financial condition and results of operations.

Servicing our debt requires a significant amount of cash, and we may not have sufficient cash flow from our business to pay our substantial debt.

Our ability to make scheduled payments of the principal of, to pay interest on, and to refinance our debt, depends on our future performance, which is subject to economic, financial, competitive and other factors. Our business may not continue to generate cash flow from operations in the future sufficient to satisfy our obligations under our current indebtedness and any future indebtedness we may incur and to make necessary capital expenditures. If we are unable to generate such cash flow, we may be required to adopt one or more alternatives, such as reducing or delaying investments or capital expenditures, selling assets, refinancing or obtaining additional equity capital on terms that may be onerous or highly dilutive. Our ability to refinance our outstanding indebtedness or future indebtedness will depend on the capital markets and our financial condition at such time. We may not be able to engage in any of these activities or engage in these activities on desirable terms when needed, which could result in a default on our indebtedness.

Risks Related to Owning Our Common Stock

At times, our stock price has been volatile and it may fluctuate substantially in the future, which could result in substantial losses for our investors as well as class action litigation against us and our management which could cause us to incur substantial costs and divert our management's attention and resources.

The trading price of our common stock has, at times, fluctuated significantly and could be subject to wide fluctuations in response to any of the risk factors listed in this "Risk Factors" section, and others, including:

- issuance of new or updated research or other reports by securities analysts;
- fluctuations in the valuation and results of operations of our significant customers as well as companies perceived by investors to be comparable to us;
- announcements of proposed acquisitions by us or our competitors;
- announcements of, or expectations of, additional debt or equity financing transactions;
- · stock price and volume fluctuations attributable to inconsistent trading volume levels of our common stock;
- hedging or arbitrage trading activity involving our common stock; and
- unsubstantiated news reports or other inaccurate publicity regarding us or our business.

These fluctuations are often unrelated or disproportionate to our operating performance. Broad market and industry fluctuations, as well as general economic, political and market conditions such as recessions, interest rate changes or currency fluctuations, may negatively impact the market price of our common stock. You may not realize any return on your investment in us and may lose some or all of your investment. In the past, companies that have experienced volatility in the market price of their stock have been subject to securities class action litigation. We may be the target of this type of litigation in the future. In addition, we have been, and in the future we may be, subject to lawsuits stemming from our acquisitions, including the VMware Merger. Securities litigation against us, including the lawsuits related to such acquisitions, could result in substantial costs and divert our management's attention from other business concerns, which could seriously harm our business.

The amount and frequency of our stock repurchases may fluctuate.

The amount, timing and execution of our stock repurchase program may fluctuate based on our priorities for the use of cash for other purposes. These purposes include operational spending, capital spending, acquisitions, repayment of debt and returning cash to our stockholders as dividend payments. Changes in cash flows, tax laws and our stock price could also impact our stock repurchase program. We are not obligated to repurchase any specific amount of shares of common stock, and the stock repurchase program may be suspended or terminated at any time.

A substantial amount of our stock is held by a small number of large investors and significant sales of our common stock by one or more of these holders could cause our stock price to fall.

As of September 29, 2023, we believe 10 of our 20 largest holders of common stock were active institutional investors who held 23% of our outstanding shares of common stock in the aggregate. These investors may sell their shares at any time for a variety of reasons and such sales could depress the market price of our common stock. In addition, any such sales of our common stock by these entities could also impair our ability to raise capital through the sale of additional equity securities.

There can be no assurance that we will continue to declare cash dividends.

Our Board of Directors has adopted a dividend policy pursuant to which we currently pay a cash dividend on our common stock on a quarterly basis. The declaration and payment of any dividend is subject to the approval of our Board of Directors and our dividend may be discontinued or reduced at any time. Because we are a holding company, our ability to pay cash dividends is also limited by restrictions or limitations on our ability to obtain sufficient funds through dividends from subsidiaries. There can be no assurance that we will declare cash dividends in the future in any particular amounts, or at all.

ITEM 1B. UNRESOLVED STAFF COMMENTS

None.

ITEM 1C. CYBERSECURITY

Not applicable.

ITEM 2. PROPERTIES

We are headquartered in Palo Alto, California and our primary warehouse is located in Malaysia. We conduct our administration, manufacturing, research and development, sales and marketing in both owned and leased facilities. We believe that our owned and leased facilities are adequate for our present operations. We do not identify or allocate assets by operating segment.

As of October 29, 2023, our owned and leased facilities in excess of 100,000 square feet consisted of:

(In square feet)	United States	Other Countries	Total
Owned facilities (a)	2,586,368	928,888	3,515,256
Leased facilities (b)	796,508	1,309,667	2,106,175
Total facilities	3,382,876	2,238,555	5,621,431

⁽a) Includes 318,000 square feet and 153,000 square feet of property owned in Malaysia subject to a 60-year land lease with the state authority expiring in May 2051 and March 2077, respectively, subject to renewal at our option.

ITEM 3. LEGAL PROCEEDINGS

The information set forth under Note 13. "Commitments and Contingencies" included in Part II, Item 8. of this Annual Report on Form 10-K, is incorporated herein by reference. For an additional discussion of certain risks associated with legal proceedings, see "Risk Factors" above.

ITEM 4. MINE SAFETY DISCLOSURES

None.

⁽b) Building leases expire on varying dates through February 2046 and generally include renewals at our option.

PART II

ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

Market Information

Broadcom common stock is listed on The Nasdaq Global Select Market under the symbol "AVGO".

Holders

As of November 24, 2023, there were 1,389 holders of record of our common stock. A substantially greater number of stockholders are "street name" or beneficial holders, whose shares are held of record by banks, brokers and other financial institutions.

Issuer Purchases of Equity Securities

In December 2021, our Board of Directors authorized a stock repurchase program to repurchase up to \$10 billion of our common stock from time to time through December 31, 2022, which was subsequently extended to December 31, 2023. In May 2022, our Board of Directors authorized another stock repurchase program to repurchase up to an additional \$10 billion of our common stock from time to time through December 31, 2023 ("May 2022 Authorization"). We repurchased and retired approximately 9 million and 12 million shares of our common stock for \$5,824 million and \$7,000 million under these stock repurchase programs during fiscal years 2023 and 2022, respectively.

Repurchases under our stock repurchase programs may be effected through a variety of methods, including open market or privately negotiated purchases. The timing and amount of shares repurchased will depend on the stock price, business and market conditions, corporate and regulatory requirements, alternative investment opportunities, acquisition opportunities, and other factors. We are not obligated to repurchase any specific amount of shares of common stock, and the stock repurchase programs may be suspended or terminated at any time.

The following table presents details of our various repurchases during the fiscal quarter ended October 29, 2023, pursuant to the May 2022 Authorization.

Total Number of Shares Purchased ^(a)	Ave	erage Price per Share	Total Number of Shares Purchased as Part of Publicly Announced Plan ^(a)	Approximate Dollar Value of Shares That May Yet Be Purchased Under the Plan		
		(In millions, exce	ot per share data)		_	
0.1	\$	894.78	0.1	\$	7,209	
_	\$	_	_	\$	7,209	
(b)	\$	861.23	(b)	\$	7,176	
0.1	\$	885.52	0.1			
	Purchased ^(a) 0.1 — — (b)	Purchased (a) Ave	Purchased (a) Average Price per Share (In millions, exce) 0.1 \$ 894.78 - \$ - (b) \$ 861.23	Total Number of Shares Purchased (a) Average Price per Share (In millions, except per share data) O.1 \$ 894.78 O.1 - \$ - \$ (b) \$ 861.23	Total Number of Shares Purchased (a) Average Price per Share Purchased as Part of Publicly Announced Plan (a) (In millions, except per share data) O.1 \$ 894.78 O.1 \$ \$ \$ (b) \$ 861.23 (b) \$	

⁽a) We also paid approximately \$454 million in employee withholding taxes due upon the vesting of net settled equity awards. We withheld approximately 1 million shares of common stock from employees in connection with such net share settlement at an average price of \$852.93 per share. These shares may be deemed to be "issuer purchases" of shares and are not included in this table.

⁽b) Represents fewer than 0.1 million shares.

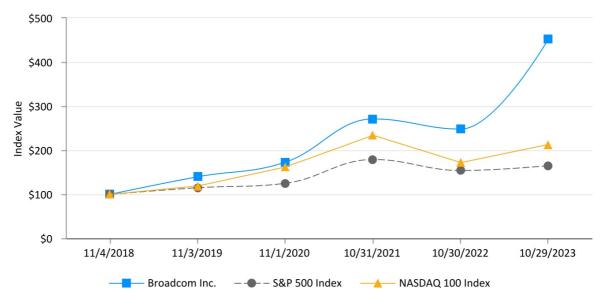
Stock Performance Graph

The following graph shows a comparison of cumulative total return for our common stock, the Standard & Poor's 500 Stock Index (the "S&P 500 Index") and the NASDAQ 100 Index for the five fiscal years ended October 29, 2023. The total return graph and table assume that \$100 was invested on November 2, 2018 (the last trading day of our fiscal year 2018) in each of Broadcom Inc. common stock, the S&P 500 Index and the NASDAQ 100 Index and assume that all dividends are reinvested. Indexes are calculated on a month-end basis.

The comparisons in the graph below are based on historical data and are not indicative of, or intended to forecast, the possible future performance of our common stock.

Comparison of Five Year Cumulative Total Return

Among Broadcom Inc., the S&P 500 Index and the NASDAQ 100 Index



	Novemb	er 4, 2018	November 3, 2019		November 1, 2020		2021		2022		October 29, 2023	
Broadcom Inc.	\$	100.00	\$	139.62	\$	172.47	\$	270.48	\$	247.83	\$	451.15
S&P 500 Index	\$	100.00	\$	114.95	\$	124.89	\$	178.49	\$	153.55	\$	164.78
NASDAQ 100 Index	\$	100.00	\$	118.49	\$	161.99	\$	233.96	\$	171.79	\$	212.82

The graph and the table above shall not be deemed "filed" with the SEC for the purposes of Section 18 of the Exchange Act or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing made by us with the SEC, regardless of any general incorporation language in such filing.

ITEM 6. [RESERVED]

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

This Management's Discussion and Analysis of Financial Condition and Results of Operations should be read in conjunction with our consolidated financial statements and notes thereto, which appear elsewhere in this Annual Report on Form 10-K. This discussion may contain forward-looking statements based upon current expectations that involve risks and uncertainties. Our actual results may differ materially from those anticipated in these forward-looking statements as a result of various factors, including those set forth under the caption "Risk Factors" or in other parts of this Annual Report on Form 10-K.

The following section generally discusses our financial condition and results of operations for our fiscal year ended October 29, 2023 ("fiscal year 2023") compared to our fiscal year ended October 30, 2022 ("fiscal year 2022"). A discussion regarding our financial condition and results of operations for fiscal year 2022 compared to our fiscal year ended October 31, 2021 ("fiscal year 2021") can be found in Part II, Item 7 of our Annual Report on Form 10-K for fiscal year 2022, filed with the Securities and Exchange Commission (the "SEC") on December 16, 2022.

Overview

We are a global technology leader that designs, develops and supplies a broad range of semiconductor and infrastructure software solutions. We develop semiconductor devices with a focus on complex digital and mixed signal complementary metal oxide semiconductor based devices and analog III-V based products. We have a history of innovation in the semiconductor industry and offer thousands of products that are used in end products such as enterprise and data center networking, home connectivity, set-top boxes, broadband access, telecommunication equipment, smartphones and base stations, data center servers and storage systems, factory automation, power generation and alternative energy systems, and electronic displays. Our infrastructure software solutions enable customers to plan, develop, automate, manage and secure applications across mainframe, distributed, mobile and cloud platforms. Our portfolio of infrastructure and security software is designed to modernize, optimize, and secure the most complex hybrid environments, enabling scalability, agility, automation, insights, resiliency and security. We also offer mission critical fibre channel storage area networking ("FC SAN") products and related software in the form of modules, switches and subsystems incorporating multiple semiconductor products.

We have two reportable segments: semiconductor solutions and infrastructure software. Our semiconductor solutions segment includes all of our product lines and intellectual property ("IP") licensing. Our infrastructure software segment includes our mainframe, distributed and cyber security solutions, and our FC SAN business.

Our strategy is to combine best-of-breed technology leadership in semiconductor and infrastructure software solutions, with unmatched scale, on a common sales and administrative platform to deliver a comprehensive suite of infrastructure technology products to the world's leading business and government customers. We seek to achieve this through responsibly financed acquisitions of category-leading businesses and technologies, as well as investing extensively in research and development, to ensure our products retain their technology leadership. This strategy results in a robust business model designed to drive diversified and sustainable operating and financial results.

The demand for our products has been affected in the past, and is likely to continue to be affected in the future, by various factors, including the following:

- gain or loss of significant customers;
- general economic and market conditions in the industries and markets in which we compete;
- our distributors' product inventory and end customer demand;
- the rate at which our present and future customers and end-users adopt our products and technologies in our target markets, and the rate at which our customers' products that include our technology are accepted in their markets;
- the shift to cloud-based information technology solutions and services, such as hyperscale computing, which may adversely affect the timing and
 volume of sales of our products for use in traditional enterprise data centers; and
- the timing, rescheduling or cancellation of expected customer orders.

Fiscal Year Highlights

Highlights during fiscal year 2023 include the following:

- We generated \$18,085 million of cash from operations.
- We paid \$7,645 million in cash dividends.
- We repurchased \$5,824 million of common stock.

Acquisition of VMware, Inc.

On November 22, 2023, we completed the acquisition of VMware in a cash-and-stock transaction (the "VMware Merger"). Pursuant to the Agreement and Plan of Merger, each share of VMware common stock issued and outstanding immediately prior to the effective time of the VMware Merger was indirectly converted into the right to receive, at the election of the holder of such share of VMware common stock, either \$142.50 in cash, without interest, or 0.2520 shares of Broadcom common stock. The stockholder election was prorated, such that the total number of shares of VMware common stock entitled to receive cash and the total number of shares of VMware common stock entitled to receive Broadcom common stock, in each case, was equal to 50% of the aggregate number of shares of VMware common stock issued and outstanding. Based on the VMware stockholders' elections, the VMware stockholders received approximately \$30.8 billion in cash and 54.4 million shares of Broadcom common stock in aggregate.

We assumed all outstanding VMware restricted stock unit ("RSU") awards and performance stock unit awards held by continuing employees. The assumed awards were converted into approximately 5 million Broadcom RSU awards. All outstanding in-the-money VMware stock options and RSU awards held by non-employee directors were accelerated and converted into the right to receive cash and shares of Broadcom common stock, in equal parts.

VMware was a leading provider of multi-cloud services for all applications, enabling digital innovation with enterprise control. We acquired VMware to enhance our infrastructure software capabilities.

The preliminary purchase consideration for the VMware Merger was approximately \$86.3 billion. We funded the cash portion of the VMware Merger with net proceeds from the issuance of \$30.4 billion in term loans under a credit agreement that we entered into on August 15, 2023 (the "2023 Credit Agreement"), as well as cash on hand. See Note 15. "Subsequent Events" included in Part II, Item 8 of this Annual Report on Form 10-K for additional information.

The discussions below related to our business and financial results for fiscal year 2023 and prior periods do not include any impact from or information relating to the VMware Merger.

Net Revenue

A majority of our net revenue is derived from sales of a broad range of semiconductor devices that are incorporated into electronic products, as well as from modules, switches and subsystems. Net revenue is also generated from the sale of software solutions that enable our customers to plan, develop, automate, manage, and secure applications across mainframe, distributed, mobile, and cloud platforms.

Our overall net revenue, as well as the percentage of total net revenue generated by sales in our semiconductor solutions and infrastructure software segments, have varied from quarter to quarter, due largely to fluctuations in end-market demand, including the effects of seasonality, which are discussed in detail in Part I, Item 1. *Business* under "Seasonality" of this Annual Report on Form 10-K.

Distributors and original equipment manufacturers ("OEMs"), or their contract manufacturers, typically account for the substantial majority of our semiconductor sales. To serve customers around the world, we have strategically developed relationships with large global electronic component distributors, complemented by a number of regional distributors with customer relationships based on their respective product ranges. We have established strong relationships with leading OEM customers across multiple target markets. Our direct sales force focuses on supporting our large OEM customers and has specialized product and service knowledge that enables us to sell specific offerings at key levels throughout a customer's organization. Certain customers require us to contract with them directly and with specified intermediaries, such as contract manufacturers. Many of our major customer relationships have been in place for many years and are often the result of years of collaborative product development. This has enabled us to build our extensive IP portfolio and develop critical expertise regarding our customers' requirements, including substantial system-level knowledge. This collaboration has provided us with key insights into our customers' businesses and has enabled us to be more efficient and productive and to better serve our target markets and customers. We recognize revenue upon the delivery of our products to the distributors, which can cause our quarterly net revenue to fluctuate significantly. Such revenue is reduced for estimated returns and distributor allowances.

Our software customers generally consist of large enterprises that have computing environments from multiple vendors and are highly complex. We believe our enterprise-wide license model will continue to offer our customers reduced complexity, more flexibility and an easier renewal process that will help drive revenue growth.

Costs and Expenses

Cost of products sold. Cost of products sold consists primarily of the costs for semiconductor wafers and other materials, as well as the costs of assembling and testing those products and materials. Such costs include personnel and overhead related to our manufacturing operations, which include stock-based compensation expense, related occupancy, computer services, equipment costs, manufacturing quality, order fulfillment, warranty adjustments, inventory adjustments

including write-downs for inventory obsolescence, and acquisition costs, which include direct transaction costs and acquisition-related costs.

Although we outsource a significant portion of our manufacturing activities, we do have some proprietary semiconductor fabrication facilities. If we are unable to utilize our owned fabrication facilities at a desired level, the fixed costs associated with these facilities will not be fully absorbed, resulting in higher average unit costs and lower gross margins.

Cost of subscriptions and services. Cost of subscriptions and services consists of personnel, project costs associated with professional services or support of our subscriptions and services revenue, and allocated facilities costs and other corporate expenses. Personnel costs include stock-based compensation expense.

Total cost of revenue also includes amortization of acquisition-related intangible assets and restructuring charges.

Research and development. Research and development expense consists primarily of personnel costs for our engineers engaged in the design and development of our products and technologies, including stock-based compensation expense. These expenses also include project material costs, third-party fees paid to consultants, prototype development expense, allocated facilities costs and other corporate expenses and computer services costs related to supporting computer tools used in the engineering and design process.

Selling, general and administrative. Selling expense consists primarily of compensation and associated costs for sales and marketing personnel, including stock-based compensation expense, sales commissions paid to our independent sales representatives, advertising costs, trade shows, corporate marketing, promotion, travel related to our sales and marketing operations, related occupancy and equipment costs, and other marketing costs. General and administrative expense consists primarily of compensation and associated costs for executive management, finance, human resources and other administrative personnel, including stock-based compensation expense, outside professional fees, allocated facilities costs, acquisition-related costs and other corporate expenses.

Amortization of acquisition-related intangible assets. In connection with our acquisitions, we recognize intangible assets that are being amortized over their estimated useful lives. We also recognize goodwill, which is not amortized, and in-process research and development ("IPR&D"), which is initially capitalized as an indefinite-lived intangible asset, in connection with the acquisitions. Upon completion of each underlying project, IPR&D assets are reclassified as amortizable purchased intangible assets and amortized over their estimated useful lives.

Restructuring and other charges. Restructuring and other charges consist primarily of non-recurring charges related to IP litigation, compensation costs associated with employee exit programs, alignment of our global manufacturing operations, rationalizing product development program costs, facility and lease abandonments, fixed asset impairment, IPR&D impairment, and other exit costs, including curtailment of service or supply agreements.

Interest expense. Interest expense includes coupon interest, commitment fees, accretion of original issue discount, amortization of debt premiums and debt issuance costs, and expenses related to debt modifications or extinguishments.

Other income (expense), net. Other income (expense), net includes interest income, gains or losses on investments, foreign currency remeasurement, and other miscellaneous items.

Provision for income taxes. We have structured our operations to maximize the benefit from tax incentives extended to us in various jurisdictions to encourage investment or employment. Our tax incentives from the Singapore Economic Development Board provide that any qualifying income earned in Singapore is subject to tax incentives or reduced rates of Singapore income tax, subject to our compliance with the conditions specified in these incentives and legislative developments. These Singapore tax incentives are presently expected to expire in November 2025. The corporate income tax rate in Singapore that would otherwise apply to us would be 17%. We also have a tax holiday from our qualifying income earned in Malaysia, which is scheduled to expire in 2028.

Each tax incentive and tax holiday is also subject to our compliance with various operating and other conditions. If we cannot, or elect not to, comply with any such operating conditions specified, we could, in some instances, be required to refund previously realized material tax benefits, or if such tax incentive or tax holiday is terminated prior to its expiration absent a new incentive applying, we will lose the related tax benefits earlier than scheduled. We may elect to modify our operational structure and tax strategy, which may not be as beneficial to us as the benefits provided under the present tax concession arrangements. Before taking into consideration the effects of the U.S. Tax Cuts and Jobs Act and other indirect tax impacts, the effect of these tax incentives and tax holiday decreased the provision for income taxes by approximately \$2,104 million and \$1,821 million for fiscal years 2023 and 2022, respectively.

Our interpretations and conclusions regarding the tax incentives are not binding on any taxing authority, and if our assumptions about tax and other laws are incorrect or if these tax incentives are substantially modified or rescinded, we could suffer material adverse tax and other financial consequences, which would increase our expenses, reduce our profitability and