

Company Background

COMPANY

Cavium, Inc. (NASDAQ: CAVM). Cavium offers a broad portfolio of integrated, software compatible processors ranging in performance from 1Gbps to 100Gbps that enable secure, intelligent functionality in Enterprise, Data Center, Broadband/Consumer, Mobile and Service Provider Equipment, highly programmable switches which scale to 3.2Tbps and Ethernet and Fibre Channel adapters up to 100Gbps. Cavium processors are supported by ecosystem partners that provide operating systems, tools and application support, hardware reference designs and other products. Cavium is headquartered in San Jose, CA with design centers in California, Massachusetts, India, China and Taiwan.

PRODUCTS

- **ThunderX® ARM Server Processor:** Provide the best in class 64-bit ARMv8 processors, optimized for enterprise, data center and TelcoCloud infrastructure. This processor offers unprecedented level of integration and industry leading SoC performance. With high performance efficient cores, single and dual socket configurations, very high memory bandwidth, large memory capacity, integrated hardware accelerators, fully virtualized core and IO, scalable Ethernet fabric and feature rich I/O's that enable best in class performance/\$ and performance/watt.

- **XPliant® Highly Programmable Switch:** Provides up to 3.2 Terabits per second switching for the most demanding data center networks, at both top of rack and spine. XPliant Packet Architecture (XPA) enables the highest level of table flexibility and extensible header support without any compromise in throughput. XPliant switches provide 1, 10, 25, 40, 50 and 100 Gbps interfaces speeds to interoperate with all Ethernet gear in the network. In addition to flexibility, it also provides shared packet buffer architecture to absorb the large burst. Cavium's XPA-powered switches are ideal for large scale cloud and data centers, for enterprise and service provider data centers, and as embedded fabric where high performance connectivity is needed.

- **OCTEON® Multi-core MIPS64 Processors:** Industry's most scalable family of highly- integrated embedded processors with 1 to 48 cores and comprehensive HW acceleration. Delivers best performance per Watt and dollar for enterprise and service provider infrastructure applications integrating control, dataplane, and services processing into a single SoC. Standard interfaces, a robust software development environment, and the broadest embedded multicore ecosystem provide best time to market for OEM designs.

- **OCTEON® TX Multi-core 64-bit ARMv8 Processors:** Industry's most scalable family of highly integrated 64-bit ARM processors a broad spectrum of open, services-centric applications in enterprise and service provider infrastructure. With 1 to 48 cores and comprehensive HW acceleration, OCTEON TX multi-core processors deliver best performance per Watt and dollar for control plane and data plane applications in networking, security, and storage that need support of extensive software ecosystem and virtualization features.

- **OCTEON Fusion-M™ Single Chip Base Station Processors:** The industry's most powerful "Base Station-on-a-Chip" family is specifically designed for LTE and 3G multi-mode picocell, microcell and macrocell base stations as well as for highly intelligent remote radio head units. OCTEON Fusion-M

processors combine OCTEON's widely successful multi-core architecture along with purpose-built baseband DSP cores, extensive LTE/3G hardware accelerators and RF options – including CPRI, JESD204B and JESD207 – into a single chip, slashing the BOM cost and power envelope of a range of base station offerings.

- **LiquidIO® / LiquidIO® II Intelligent Adapters:** Includes two major product families. The LiquidIO / LiquidIO II Network Appliance Adapters, and LiquidIO / LiquidIO II Server Adapters. The LiquidIO / LiquidIO II adapters support data center virtualization application load such as distributed firewall, SDN, IPSEC, traffic metering services and shaping and several server offloads including compression, crypto, DPI, TCP and RAID.

- **QLogic Ethernet Adapters:** QLogic high performance Ethernet adapters support 10Gb/25Gb/40Gb/100Gb speeds and are ideally suited for enterprise-class data centers, public and private clouds, managed service providers and telco deployments. The feature rich family of adapters supports multi-protocol RDMA with RoCE & iWARP, server virtualization with NPAR and SR-IOV, network tunneling with VXLAN, NVGRE and GENEVE, and network storage with iSCSI, FCoE & NVMe.

- **QLogic Fiber Channel Adapters:** From the heart of the enterprise data centers in the Fortune 1000, to managed service providers and telco operators, QLogic® Fibre Channel HBAs deliver an uncompromising suite of features, performance and reliability with a comprehensive suite of products from 8G FC to 32G FC (Gen6). QLogic Fibre Channel adapters are the gold standard in SAN connectivity, trusted with running mission critical applications across the world. These products, along with continuous innovation in manageability and flash optimization, make QLogic the industry leader in high performance storage connectivity solutions.

- **NITROX® Security Processors and Adapters:** The NITROX family supports cryptography and compression at up to 100 Gbps and 2048b RSA Ops at up to 130K Ops/sec. It is ideally suited for Cloud Servers, Data Center Networking Appliances such as Application Delivery Controllers, Load Balancers, Enterprise/VPN Routers, Firewalls, Traffic Monitoring, IPS/IDS and Service Provider Infrastructure. This solution is available as a PCIe Adapter as well as a processor to be added to the motherboard.

- **NITROX® FIPS Security Adapters:** The NITROX XL FIPS HSM adapters support up to 10 Gbps of crypto performance, 35K 2048b RSA Ops/sec and are certified to the stringent FIPS 140-2 Level 3 standard. With up to 32 dynamically resizable FIPS partitions per adapter, these are the only FIPS adapters available in the market that are designed for the cloud environment.

- **LiquidSecurity™ Appliance:** LiquidSecurity™ Appliances are available as FIPS certified Hardware Security Modules as well as without FIPS certification for central key management and offload operations. LiquidSecurity family provides up to 32 FIPS 140-2 level 3 partitions or up to 64 non-FIPS partitions and high transaction/sec performance for centralized and elastic key management. It is ideally suited for FIPS/Compliance solutions, Crypto As A Service, Database As A Service, Key Management Service and Network Function Virtualization solutions.



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TARGET MARKETS

Cavium products are used in a wide variety of networking, data center appliance and wireless applications including:

- **Enterprise:** Routers, SSL Proxy and Security Appliances, WAN Optimization, Network Monitoring a Enterprise Switches, Servers and Storage Applications.
- **Data Center:** ARMv8 high performance servers, cloud servers Top of Rack, Spine / Core, Aggregation switches, Intelligent NIC and security.
- **Digital Broadband and IoT Getway:** Broadband Routers, Triple Play Gateways, Retail and Small Office Wired and WLAN Routers, VoIP Phones, IoT Secure Gateways.
- **Access and Service Provider:** Mobile 3G/4G/5G, Base station to Core Network Equipment, Aggregation Equipment, Routers, and NFV/Telco Servers.

AWARDS

Cavium has received numerous awards recognizing the product line and company performance, including:

- 2015 HPC Wire Editors' Choice Award
- 2014 Deloitte Technology Fast 500
- 2013 Most Respected Public Semiconductor Company
- 2013 Deloitte Technology Fast 500
- 2013 The Golden Bridge Awards
- 2012 GSA Most Respected Public Semiconductor Company
- 2012 Deloitte Technology Fast 500
- 2012 North American Frost & Sullivan Award for Entrepreneurial Company of the Year
- 2011 The Linley Group's Best Embedded Processor Analysts' Choice Award
- 2011 Favorite Analyst Pick by Morgan Stanley
- 2011 ACG Silicon Valley Grow Award
- 2010 Forbes - America's 25 Fastest-Growing Tech Companies
- 2009 Deloitte Technology Fast 500
- 2009 Global Semiconductor Alliance Favorite Analyst Semiconductor Company
- 2008 GSA Most Respected Emerging Public Semiconductor Company
- 2008 Deloitte's Technology Fast 50 Winner for Silicon Valley Software and Information Technology (IT) companies
- 2007 Fabless Semiconductor Association Favorite Fabless Picks

- 2006 Cisco Systems Excellence in Technology Award
- 2006 SonicWALL Supplier of the Year Award
- 2006 Fabless Semiconductor Association Most Respected Private Company Worldwide
- 2005 Fabless Semiconductor Association Outstanding Financial Performance by a Private Company
- 2004 Fabless Semiconductor Association Most Respected Private Company Worldwide
- 2003 Fabless Semiconductor Association Most Respected Private Company Worldwide
- 2004 & 2003 AnalogZone Product of the Year (NITROX & GOLDEN GATE)

EXECUTIVE MANAGEMENT

Cavium is led by a seasoned management team with an average of over 20 years experience in developing and bringing to market state of the art semiconductor products.

- Syed Ali, President & CEO. Previously at: PMC-Sierra, Malleable Technologies (Founder), and Samsung
- Arthur Chadwick, Vice President of Finance & Administration and Chief Financial Officer. Previously at: Pinnacle Systems
- Muhammad Raghieb Hussain, Chief Operating Officer. Previously at: Cisco Systems and VPNet
- Vincent Pangrazio, Senior Vice President and General Counsel. Previously at: Cooley LLP
- Anil Jain, Corporate Vice President of IC Engineering. Previously at: Compaq, DEC (Alpha Design Team)
- Milt Douglass, Vice President of World-Wide Sales. Previously at: Intel and Cisco
- Syed Zaheer, Vice President of Operations. Previously at: IDT

INVESTORS

Cavium is a publicly held company listed on NASDAQ with the ticker symbol CAVM.