

VSC7431

28-Port Layer 2/Layer 3 Managed Ethernet Switch

Features

- 28× 1 GbE or dual-chip 56× 1 GbE ports with SGMII, 1000BASE-X, 100BASE-FX, or SerDes
- Internal shared memory buffer (8 queues per port)
- Jumbo frame support
- Strict priority and DWRR scheduler/shaper
- Integrated 416 MHz MIPS CPU
- 27 mm × 27 mm FCBGA

Layer 2 Switching and Layer 3 Forwarding

- 802.1Q VLAN switch with 16K MACs and 4K VLANs
- Push, pop, and translate ingress/egress
- Policing with storm control and MC/BC protection
- RSTP and MSTP support
- Independent and shared VLAN learning (IVL, SVL)
- Hardware and software-based learning
- TCAM-based classification and VCAP-II security
- Layer 3 unicast and multicast routing

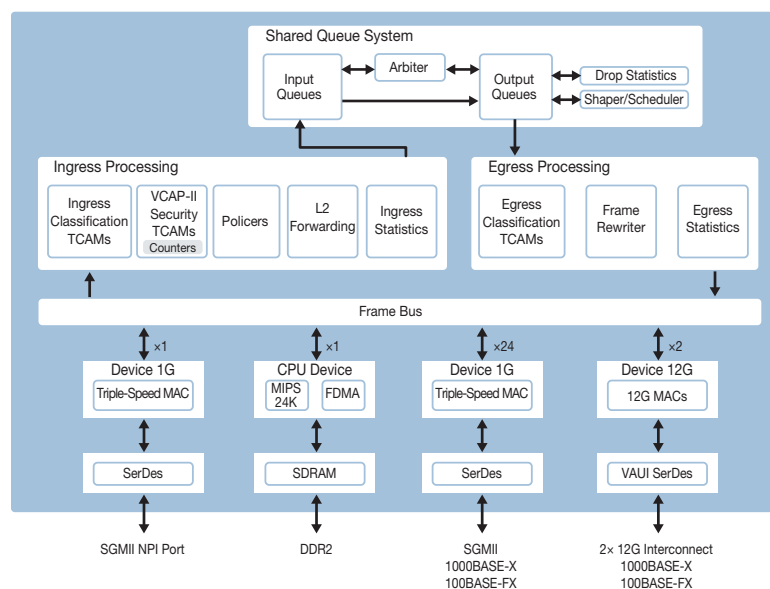
Multicast

- Layer 2
- IPv4 and IPv6
- IGMP and MLD

Related Products

Visit www.microsemi.com for information about these related products:

- SparX-III and E-StaX-III Gigabit Ethernet switches with integrated copper PHYs
- VSC8512-01 12-port copper PHY



Microsemi

Microsemi Corporate Headquarters
 One Enterprise, Aliso Viejo, CA 92656 USA
 Within the USA: +1 (800) 713-4113
 Outside the USA: +1 (949) 380-6100
 Sales: +1 (949) 380-6136
 Fax: +1 (949) 215-4996
 email: sales.support@microsemi.com
www.microsemi.com

Microsemi Corporation (Nasdaq: MSCC) offers a comprehensive portfolio of semiconductor and system solutions for communications, defense and security, aerospace, and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs, and ASICs; power management products; timing and synchronization devices and precise time solutions; voice processing devices; RF solutions; discrete components; enterprise storage and communications solutions, security technologies, and scalable anti-tamper products; Ethernet solutions; Power-over-Ethernet ICs and midspans; custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, California, and has approximately 4,800 employees worldwide. Learn more at www.microsemi.com.

©2012–2016 Microsemi Corporation. All rights reserved. Microsemi and the Microsemi logo are registered trademarks of Microsemi Corporation. All other trademarks and service marks are the property of their respective owners.

VPPD-03039. 1.0. 4/16.