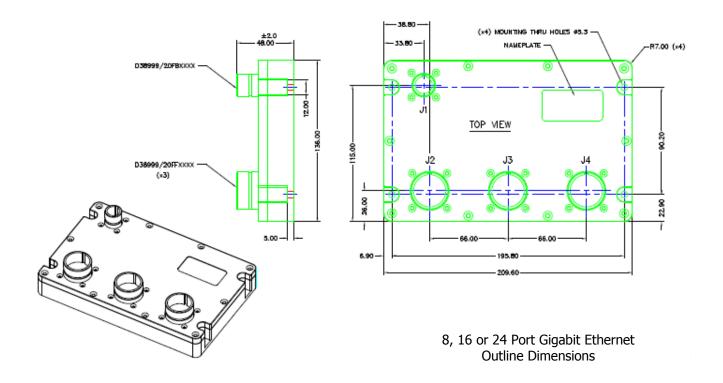# 8, 16 or 24 Port
Managed Gigabit Ethernet Switch

Features

- 8/16/24 Gigabit Ethernet ports with non-blocking wire-speed performance.
- All ports are tri-speed (10/100/1000 Mbps) copper transceivers (IEEE 802.3ab compliant).
- 176 kilobytes on-chip frame buffer, maintaining high peak load performance.
- Web-based management with V-Core CPU (on-chip ARM9 CPU with, Web-managed software stack).

- DSCP remarking for both IPv4 and IPv6 frames. This Enables LAN edge products to generate standard priority that can be used in the core network
- Jumbo frame support at all speeds (10/100/1000 Mbps), Connects effortlessly to networks, hosts, and controllers that use up to 9.6-kilobyte frames.
- Programmable multi-layer classifier with 4 QoS classes thus optimizes network performance to support any digital stream, from Internet browsing to VoIP and video.
- 8 k MAC addresses and 4 k VLANs (IEEE 802.1Q), as well as 8 k IP multicast group support. Stores a large amount of stations at wire-speed in the on-chip MAC Table, ensuring optimal network performance and scalability.
- Full duplex flow control (IEEE 802.3X) and half-duplex backpressure, symmetric and asymmetric, ensures lossless data transmission while supporting existing legacy Ethernet equipment
- Multicast and broadcast storm control, as well as flooding control, eliminates unwanted flooding of ports, and thereby increases overall network performance.
- Multiple protocol support: IEEE 802.1D, IEEE 802.1w, IEEE 802.1s, and IEEE 802.1X, supports complex network topologies with fast failure recovery and access control.
- Wire-speed automatic learning and aging.
- Cable diagnostics technology, enables real-time cable diagnostics

- Environmental: Temperature: Operating: -40°C to +71°C
                              Storage: -40°C to +85°C
                 Vibration: Functional: 7.6 grms 5-2000 Hz
                              Endurance: 9.8 grms 5-2000 Hz
                 Shock: Functional: 17 g, 40msec
                 Humidity: 95% RH
                 Altitude: 50,000 ft
                 Salt Fog: Mil-Std-810F, Method 509.4
                 Acceleration: 8g peak
- RFI: Compliant with Mil-Std 461

8, 16 or 24 Port Gigabit Ethernet
Outline Dimensions