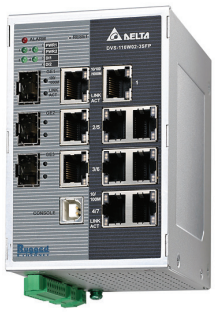
Delta Managed Fast Ethernet Switch

DVS-110W02-3SFP

Datasheet #89063119



The DVS-110W02-3SFP Managed 10-Port Ethernet Switch provides many essential features. Its enhanced hardware design, the user-friendly software interface, the packet protection and compatibility with multiple industrial communication standards make it a highly reliable active network component.

The DVS-110W02-3SFP provides two built-in redundant power supplies and together with its RSTP support it is the perfect fit for building up highly available Ethernet ring topologies.

It features a wide operating temperature range from -40°C to 75°C, and it is UL, CE, and FCC certified.

Features

- IPv6 Network address for larger network and neighbor discovery
- Automatic IP assignment by DHCP/BootP server for easy network construction
- DHCP relay option 82 for sending DHCP requests with clients' identities to a DHCP server
- SNMP v1/v2c/v3 facilitates the exchange of management between network devices
- Support MODBUS TCP protocol that facilitates the remote management by SCADA and other industrial devices
- STP/RSTP/MSTP for network redundancy further ensures reliability
- QoS(IEEE 802.1p) and TOS/DSCP for mission-critical applications
- IEEE 802.1Q VLAN, Port-based VLAN and GVRP to optimize network strategy
- SNTP (simple network time protocol) for network clock synchronization
- Broadcast/Multicast/Unknown Unicast storm control improves throughput problems
- MAC addresses locking function per port blocks unauthorized access
- USB console interface for easy connection with laptops
- IGMP Snooping and GMVP prunes multicast traffic
- CPU utilization displays the amount of works the CPU handles
- DDM diagnosis function by SFP fiber module
- Auto warning by email, DI, relay, Syslog & SNMP trap
- Compatible with various industrial protocols, EtherNet/IP, Profinet, CC-LINK IE and DNP 3.0

Specifications

Type	**DVS-110W02-3SFP**
Dimensions (mm)	75 x 108.7 x145.3 (L x W x H), DIM055
Standard Compliance	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-T(X) and 100Base-FX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-X, IEEE 802.3x Flow Control, IEEE 802.1D Spanning Tree Protocol, IEEE 802.1w Rapid Spanning Tree Protocol, IEEE 802.1s Multiple Spanning Tree Protocol, IEEE 802.1p Class of Service, Priority Protocols, IEEE 802.1Q VLAN Tagging, IEEE 802.1X Port Authentication, IEEE 802.3ad LACP Aggregation, IEEE 802.1AB Link Layer Discovery Protocol
Processing Type	Store and Forward, IEEE 802.3x Flow control in full duplex, back-pressure flow control in half duplex
Interface Fast Ethernet	RJ45 Ports: 7 10/100Base-T(X), auto MDI/MDI-X, auto negotiation
Performance and Scalability	Switching Capacity: 7.4Gbps, Wired speed, Non-blocking switching fabric
Power Requirements	Input Voltage: 2 sets, 12 to 48 VDC redundant terminal block power input, Input Current: Max. 0.95A, Overload Current Protection: Present, Max. input current 3A, Reverse Polarity Protection: Present, Buffer Time: Min. 12ms at 24VDC
Physical	Housing: IP40 aluminum metal case
Installation	Industrial DIN-Rail and wall mounting
Operating conditions	Operating Temperature: -40°C to 75°C Storage Temperature: -40°C to 85°C Ambient Relative Humidity: 5% to 95%(non-condensing)
Approvals	Safety: UL 508, EN 60950-1, IEC 61131-2 EMI: FCC 47 CFR Part 15 Subpart B Class A, IEC 61000-6-4, EN 55022 EMS: IEC 61000-6-2

Order number	Product description
DVS-110W02-3SFP	Managed 10-Port Ethernet Switch