

OSD2512 MANAGED 12 x 10/100/1000BASE-T (RJ45)
AND 2 x 1G (SFP) ETHERNET SWITCH



APPLICATIONS

- ▲ Managed L2 switch for small to medium-sized Enterprise networks requiring high throughput
- ▲ Redundant and self-healing network.
- ▲ Industrial IP communications for rugged environments

FEATURES AND BENEFITS

General

- L2 managed Ethernet switch
- ITU-TG.8032 Ethernet Ring Protection Switching
- CPU Memory 128MB
- User-friendly web browser based GUI
- CLI and SNMP management

Port Control

- Port speed, duplex mode, and flow control
- Port status -- link monitoring
- Port statistics -- MIB counters
- Port cable diagnostics

QoS

- Traffic classes (1, 2, or 4, 8 active priorities)
- Port default priority and user assigned priority
- Scheduler priority
- QoS control
- Storm control

L2 Switching

- IEEE 802.1D Bridge with auto MAC learning/aging
- IEEE 802.1Q static VLAN
- Private VLAN (static)
- 25Gbps switching backplane
- IEEE 802.1Q-2005 - Rapid spanning tree (RSTP)
- IEEE 802.3ad Link aggregation, static and LACP
- DHCP client
- Port mirroring

Security

- Port-based 802.1X
- Web and CLI authentication and authorization



OAM

- IEEE 802.1ag Service OAM
- IEEE 802.3ah Link OAM

Multicasting

- IGMP Snooping (IGMPv2, IGMPv3)
- Multicast Listener Discovery (MLD) v1 and v2

Power Saving

- Ethernet energy efficient
 - Link down power savings
 - Scales power based on cable length
- Thermal protection

Management

- HTTP server
- Web management
- CLI console port
- Management access filtering
- System log
- Software download through web
- SNMPv1/v2c/v3Agent
- IEEE 802.1AB-2005 Link Layer Discovery, LLDP
- Configuration download or upload
- RFC 1213 MIB II
- RFC 3621 LLDP-MED power
- RFC 3635 Ethernet-like MIB
- RFC 4188 Bridge MIB
- Private MIB framework
- IEEE 802.1 MSTP MIB
- IEEE 802.1AB LLDP MIB

ORDERING INFORMATION

OSD2512 Managed 12 10/100/1000Base-T + 2 1G SFP
SFP Module See OSD SFP datasheet #102100003



SPECIFICATIONS

ELECTRICAL

Copper Data Interface	IEEE802.3i, 802.3u, 802.3ab for 10, 100 or 1000Mbps Base-T Ethernet
Optical Data Interface	IEEE802.3z 1000Base-Lx/Sx
Copper Port Connector	RJ45
Optical Port Connector	SFP (LC or SC)
Console Connector	Mini-USB
Operating Mode	Half or full duplex for 10/100 Full duplex for 1G Store-and-Forward Half-duplex back-pressure and IEEE802.3x full-duplex flow control

OPTICAL

Optical Port Connectors	SFP
SFP Options	Short haul, long haul, single fiber operation, etc. Please consult OSD datasheet #102100009 or contact OSD

INDICATORS

12 x	10/100/1000Base-T, 1000Base-X: Link/ Activity/Speed
2 x	1G Link/ Activity/Speed
1 x	Power

PHYSICAL

Operating Temperature Range	-25°C to +70°C
Relative Humidity	5 to 95% non-condensing
Power Requirements	+10 to +36VDC @ 40VA Max
Power Connector	4 way terminal block
Dimensions of Enclosure (mm)	443W x 300D x 44H
Weight (kg)	5.1