

OSD2524 MANAGED 20 x 10/100/1000BASE-T, 4 x COMBO AND 2 x1G 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
- ▲ Available with either DC or AC powering. The DC version has dual redundant inputs as standard whereas redundant AC powering is optional for the AC version



FEATURES AND BENEFITS

General

- L2 managed Ethernet switch
- ITU-TG.8032 Ethernet Ring Protection Switching
- 4 GbE RJ45/SFP combo ports for maximum versatility (Ports 21 - 24)
- 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

OSD2524DC	Managed 20 10/100/1000Base-T + 4 Combo + 2 1G Trunk SFP with dual redundant DC powering
OSD2524AC	Managed 20 10/100/1000Base-T + 4 Combo + 2 1G Trunk SFP with AC powering
OSD2524DAC	Managed 20 10/100/1000Base-T + 4 Combo + 2 1G Trunk SFP with dual redundant AC powering
SFP Module	See OSD datasheets #1021000XX for GbE SFPs and #102100XX for 100Mbps SFPs



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 x 6: 4 for combo ports 21 - 24, 2 for uplink/trunk ports
SFP Options	Short haul, long haul, single fiber operation, etc. Please consult OSD datasheet #102100009 or contact OSD

INDICATORS

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

PHYSICAL

Operating Temperature Range	-20°C to +75°C
Relative Humidity	5 to 95% non-condensing
Power Requirements	+10 to +36VDC @ 40VA Max 90 - 264VAC @ 50VA Max
Power Connector	4 way terminal block for DC powered version One IEC power inlet module for the standard AC powered version Two IEC power inlet modules for the optional redundant AC powered version
Dimensions of Enclosure (mm)	443W x 300D x 44H
Weight (kg)	5.1

