OSD2888 MANAGED 12 x 10/100/1000BASE-T AND 4 x10G SFP ETHERNET SWITCH

APPLICATIONS

- Managed L3 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
- 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

OSD2888DC	Managed 12 10/100/1000Base-T + 2 10G Trunk SFP with dual redundant DC powering
OSD2888AC	Managed 12 10/100/1000Base-T + 2 10G Trunk SFP with AC powering
OSD2888DAC	Managed 12 10/100/1000Base-T + 2 10G Trunk SFP with dual redundant AC powering
SFP Module	See OSD SFP datasheets #10210000X and #10210G00X for 1G and 10G

OPTICAL SYSTEMS DESIGN PTY LTD 7/1 Vuko Pl. Warriewood N.S.W. Australia 2102
Telephone: + 61 2 9913 8540 Fax: +61 2 9913 8735 Website: www.osd.com.au E-mail: sales@osd.com.au

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 x 12
Optical Port Connector	SFP (LC or SC)
Console Connector	Mini-USB
Operating Mode	Half or full duplex for 10/100/1000 Full duplex for 1G Store-and-Forward Half-duplex back-pressure and IEEE802.3x full-duplex flow control

OPTICAL

Optical Port Connectors	SFP x 4 for uplink/trunk ports
SFP Options	Short haul, long haul, single fiber operation, etc. Please consult OSD datasheets #10210000X and #10210G00X for 1G and 10G or contact OSD

INDICATORS	12 x	10/100/1000Base-T, 1000Base-X: Link/ Activity/Speed
	4 x	10G 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 @ 30VA Max 90 - 264VAC @ 40VA 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

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