

Industrial switches MES3508 + MES3508P

Description:

MES3508 and MES3508P industrial switches by OPTOKON are designed to organize secure fault-tolerant networks on sites with high requirements to temperature, vibrations, mechanical impact, etc. The switches have 10/100/1000BASE-T with PoE/PoE+ support and Combo ports of 10/100/1000BASE-T/1000BASE-FX for optional connection fiber or cooper cable.



MES3508

MES3508P

Features:

- Industrial switch MES3508
- Industrial PoE/PoE+ switch MES3508P

Specifications:

MES3508: 8x 10/100/1000BASE-T (RJ-45), 2x Combo 10/100/1000BASE-T (RJ-45)/ 1000BASE-X/100BASE-FX

MES3508P: 8x 10/100/1000BASE-T (PoE/PoE+, RJ-45), 2x Combo 10/100/1000BASE-T (RJ-45)/1000BASE-X/100BASE-FX

Console port	RS-232 (RJ-45)
Standards	IEEE 802.3af, 802.3at (Power over Ethernet)1 IEEE 802.3i (10BASE-T) IEEE 802.3u (100BASE-T(X), 100BASE-FX) IEEE 802.3ab (1000BASE-T(X)) IEEE 802.3z (1000BASE-X) IEEE 802.3x (Flow Control) IEEE 802.1d (Spanning Tree Protocol (STP)) IEEE 802.1w (Rapid Spanning Tree Protocol (RSTP)) IEEE 802.1s (Multiple Spanning Tree Protocol (MSTP)) IEEE 802.1q (VLAN Tagging) IEEE 802.1p (Class of Service (CoS)) IEEE 802.1x (Authentication) IEEE 802.3ad (Link Aggregation Control Protocol (LACP)) IEEE 802.1ab (Link Layer Discovery Protocol (LLDP))
Protocols and functions	SNMPv1/v2c/v3, DHCP Server/Client, DHCP Option 66/67/82, BootP, TFTP, HTTP, HTTPS, Telnet, SSH, Syslog, IPv6, Port Security, IP Source Guard, Port Monitor
Packet processor	Marvell 98DX3333A1-BTD4I000 (PonCat3 Industrial)
Bandwidth	20 Gbps
Throughput for 64 bytes	14 MPPS
Quality of Service (QoS)	8 egress queues per port
VLAN table	4K
MAC table	16K
Buffer memory	12 Mb
RAM (DDR3)	512 MB
ROM (RAW NAND)	512 MB

TCAM	3K	
Jumbo frames size	10240 bytes	
Power supply voltage	20~70 VDC	PoE enabled: 45~57 VDC PoE disabled: 20~57 VDC 2 slide-in terminal blocks for connection of primary and redundant power sources
Reverse polarity protection	Yes	
Max. power consumption (including PoE)	15 W	255 W
Power budget PoE	-	240 W (for 802.3at standard 54~56 VDC power supply voltage is recommended)
Alarm relay	1 alarm relay output: 1 A, 24 VDC	
Device housing	Metal, IP30	
Form factor	DIN rail holder is included as standard	
Dimensions (WxHxD)	85 x 152 x 115 mm	
Operating temperature	from -40° to +75° C	
Storage temperature	from -40 to +85° C	
Operating humidity	from 5 to 95% (without condensation)	
Security	UL 508	
Electromagnetic compatibility	EN 55022 Class A EN 61000-4-2 (ESD) Level 3 EN 61000-4-3 (RS) Level 3 EN 61000-4-4 (EFT) Level 3 EN 61000-4-5 (Surge) Level 3 EN 61000-4-6 (CS) Level 3 EN 61000-4-8	
Application within power engineering facilities	IEC 61850-3	
Strike	IEC 60068-2-27	
Free falling	IEC 60068-2-32	
External mechanical actions	0.5-55 Hz, 1g, hit-and-run 3g strikes	

Ordering code:

MES3508 Industrial switch MES3508
MES3508P Industrial PoE/PoE+ switch MES3508P

Optional

DRS-270-56 External AC/DC Power supply