

MES3508, MES3508P and **MES3608P** industrial switches by Eltex 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+¹ support and Combo ports of 10/100/1000BASE-T/1000BASE-X/100BASE-FX for optional connection of fibre cable.



MES3508



MES3508P



MES3608P

Technical features


	MES3508	MES3508P	MES3608P
Interfaces			
Interfaces	8x10/100/1000BASE-T (RJ-45), 2xCombo 10/100/1000BASE-T (RJ-45)/1000BASE-X/100BASE-FX	8x10/100/1000BASE-T (PoE/PoE+, RJ-45), 2xCombo 10/100/1000BASE-T (RJ-45)/1000BASE-X/100BASE-FX	8x10/100/1000BASE-T (PoE/PoE+), 4xCombo 10/100/1000BASE-T (M12)/1000BASE-X/100BASE-FX
Console port		RS-232 (RJ-45)	RS-232 (M12)
Standards			
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		
Common parameters			
Packet processor	Marvell 98DX3333A1-BTD4I000 (PonCat3 Industrial)		Marvell 98DX3334A1-BTD4I000 (PonCat3 Industrial)
Bandwidth	20 Gbps		24 Gbps
Throughput for 64 bytes	14 MPPS		17 MPPS
Quality of Service (QoS)	8 egress queues per port		
VLAN table	4K		

¹ Excluding MES3508

Technical features

	MES3508	MES3508P	MES3608P
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			
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	24V, 27 (18~36) VDC
Reverse polarity protection		Yes	Yes
Max. power consumption (including PoE)	15 W	255 W	290 W
PoE power budget	–	240 W (for 802.3at standard 54~56 VDC power supply voltage is recommended)	
Alarm relay	1 relay output of emergency alarm: 1A 24 VDC		–
Physical parameters			
Device housing	Metal, IP30		Metal, IP65
Form factor	DIN molding for wall mounting (optionally)		Standard rack 19"
Dimensions (WxHxD)	85 x 152 x 115 mm		440 x 104 x 220 mm
Environmental features			
Operating temperature	from -40 to +70° C		from -40 to +60° C
Storage temperature	from -40 to +85° C		
Operating humidity	from 5 to 95% (without condensation)		
Standards and certificates			
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 IEEE 1613		
Strike	IEC 60068-2-27		
Free falling	IEC 60068-2-32		
External mechanical actions	0.5-55 Hz, 1g, hit-and-run 3g strikes		

Contact us


+7 (383) 274 10 01
+7 (383) 274 48 48


eltex@eltex-co.ru


www.eltex-co.ru

About Eltex

Eltex company is a leading Russian developer and manufacturer of telecommunication equipment with 25 years of history. Integrity of solutions and seamless integration capability into Customer infrastructure is a priority area of company development.