

MES3500P Industrial Switches by ELTEX are designed to organize secure fault-tolerant networks on objects with high requirements to temperature, vibrations, mechanical impact, etc. The switches have 10/100/1000BASE-T ports with PoE+ support and Combo ports 10/100/1000BASE-T/1000BASE-X for fiber or cooper cable connection.



MES3508P	
Common parameters	
Packet Processor	Marvell 98DX3336-A1 (PonCat3)
Network ports	8 x 10/100/1000BASE-T (PoE/PoE+) 2 x 10/100/1000BASE-T/1000BASE-X Combo
Console port	RS-232 (RJ-45)
Bandwidth	20 Gbps
Buffer memory	12 Mb
MAC table	16K
VLANs	4K
Quality of Service (QoS)	8 priority queues
TCAM	3K
Jumbo frames size	max. 10K
Physical parameters and parameters of environment	
Power supply	48 (45~57) VDC 85~265 VAC 2 replaceable terminal units for the main and backup power sources
Max. power consumption	15 W (without PoE)
Power budget PoE	240 W (for 802.3at applications, recommended power supply is 54~56 VDC)
Alarm relay	1 alarm relay output: 1 A 24 VDC
Operating temperature	from -40° to +75° C
Operating humidity (without condensation)	≤ 95%
Storage temperature	from -40° to +85° C
Dimensions, mm	85x152x115 (WxHxD)
Package	Metal, IP30
Installation	DIN-rail, wall (optional) mount


Standards support

Standards support	<p>IEEE 802.3af, 802.3at (Power over Ethernet) 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))</p>
Protocols and functions support	<p>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</p>

Standards and certificates

Security	UL 508
Electromagnetic compatibility	<p>EN 55022 Class A</p> <p>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</p>
Usage in power engineering facilities	IEC 61850-3, IEEE 1613
Shock	IEC 60068-2-27
Free drop	IEC 60068-2-32
Vibration	IEC 60068-2-6

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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.