

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+ 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 | | |

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About EltexAlatau

EltexAlatau company is one of the first communication equipment manufacturers in Kazakhstan established in 2012. The main focus of the enterprise is a set of solutions and the opportunity of their seamless connection to the customer's infrastructure.