

Item no.: 386059

## EDS-P510 - Managed Gigabit Ethernet switch with 3 10100BaseT(X) ports

from **1.237,55 EUR**

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shipping weight: 1.20 kg  
Manufacturer: MOXA



### Product Description

Moxa's managed Layer 2 switches are characterised by industrial-grade reliability, network redundancy and security features based on the IEC 62443 standard. We offer robust, industry-specific products with multiple industry certifications, such as parts of the EN 50155 standard for railway applications, IEC 61850-3 for energy automation systems and NEMA TS2 for intelligent transport systems.

**Ethernet Interface- Combo Ports (10/100/1000BaseT(X) or 100/1000BaseSFP+)** 3Auto negotiation speedFull/Half duplex modeAuto MDI/MDI-X connection - 10/100BaseT(X) Ports (RJ45 connector) 3Auto negotiation speedFull/Half duplex modeAuto MDI/MDI-X connection - PoE Ports (10/100BaseT(X), RJ45 connector) 4Auto negotiation speedFull/Half duplex modeAuto MDI/MDI-X connection - Standards IEEE 802.1D-2004 for Spanning Tree ProtocolIEEE 802.1p for Class of ServiceIEEE 802.1Q for VLAN TaggingIEEE 802.1s for Multiple Spanning Tree ProtocolIEEE 802.1w for Rapid Spanning Tree ProtocolIEEE 802.1X for authenticationIEEE 802.3 for 10BaseTIEEE 802.3ab for 1000BaseT(X)IEEE 802.3ad for Port Trunk with LACPIEEE 802.3u for 100BaseT(X) and 100BaseFXIEEE 802.3x for flow controlIEEE 802.3z for 1000BaseSX/LX/LHX/ZXIEEE 802.3af for PoE Ethernet Software Features- Filter: GMRP, GVRP, IGMP v1/v2, Port-based VLAN - Industrial Protocols: EtherNet/IP, Modbus TCP - Management: Back Pressure Flow Control, BOOTP, DDM, DHCP Option 66/67/82, DHCP Server/Client, Flow control, IPv4/IPV6, LLDP, Port Mirror, RARP, RMON, SMTTP, SNMP Inform, SNMPv1/v2c/v3, Syslog, Telnet, TFTP - MIB: Bridge MIB, Ethernet-like MIB, MIB-II, P-BRIDGE MIB, Q-BRIDGE MIB, RMON MIB Groups 1, 2, 3, 9, RSTP MIB - Redundancy Protocols: LACP, Link Aggregation, MSTP, RSTP, STP, Turbo Chain, Turbo Ring v1/v2 - Security: TACACS+, HTTPS/SSL, Port Lock, RADIUS, SSH - Time Management: NTP Server/Client, SNTP Input/Output Interface- Alarm Contact Channels - 2, Relay output with current carrying capacity of 1 A @ 24 VDC - Digital Input Channels: 2 - Digital Inputs: 30 to +3 V for state 0, +13 to +30 V for state 1, Max. input current: 8 mA Switch. input current: 8 mA Switch Properties- IGMP Groups: 1024 - MAC Table Size: 8 K - Max. No. of VLANs: 64 - Packet Buffer Size: 1 Mbits - Priority Queues: 4 - VLAN ID Range: VID 1 to 4094 Serial Interface- Console Port: RS-232 (Tx, Rx, GND), 10-pin RJ45 (115200, n, 8, 1) DIPswitch Configuration- Ethernet Interface: Turbo Ring, Master, Coupler, Reserve Power Parameters- Connection: 2 removable 6-contact terminal block(s) - Input Current: 1.5 A @ 48 VDC - Input Voltage: 48 VDC, Redundant dual inputs - Operating Voltage: 44 to 57 VDC - Overload Current Protection: Supported - Power Budget: Max. 15.4 W for each PoE port, Max. 61.6 W for total PD consumption - Power Consumption (Max.): Max. 14.24 W full loading without PDs' consumption - Reverse Polarity Protection: Supported Physical Characteristics- Dimensions: 80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in) - Housing: Metal - Installation: DIN-rail mounting, Wall mounting (with optional kit) - IP Rating: IP30 - Weight: 1,170 g (2.58 lb) Environmental Limits- Ambient Relative Humidity: 5 to 95% (non-condensing) - Operating Temperature: 0 to 60°C (32 to 140°F) - Storage Temperature (package included): -40 to 85°C (-40 to 185°F) Standards and Certifications- Safety: UL 508 - EMC: EN 55032/24 - EMI: CISPR 32, FCC Part 15B Class A - EMS IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kVIEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/mIEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kVIEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kVIEC 61000-4-6 CS: 10 VIEC 61000-4-8 PFMF - Maritime : ABS, DNV-GL, LR, NK - Freefall: IEC 60068-2-31 - Shock: IEC 60068-2-27 - Vibration: IEC 60068-2-6 MTBF- Time: 205,384 hrs - Standards: Telcordia (Bellcore), GB

### Specifications

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All details, up-to-date  
prices and availability

