

Item no.: 387589

EDS-4012-4GC-LV-T - Managed Gigabit Ethernet switch with 8 10/100BaseT(X) ports

from 1.301,84 EUR

Item no.: 387589
 shipping weight: 0.90 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. Managed Gigabit Ethernet switch with 8 10/100BaseT(X) ports, 4 10/100/1000BaseT(X) or 100/1000BaseSFP ports, dual power supply 12/24/48 VDC, -40 to 75°C operating temperature Ethernet interface 10/100BaseT(X) ports (RJ45 connection)- 8- Automatic speed negotiation- Full/half-duplex mode- Automatic MDI/MDI-X connection Combo ports (10/100/1000BaseT(X) or 100/1000BaseSFP)- 4 standards- IEEE 802.3 for 10BaseT- IEEE 802.3u for 100BaseT(X) and 100BaseFX- IEEE 802.3ab for 1000BaseT(X)- IEEE 802.3z for 1000BaseX- IEEE 802.3x for flow control- IEEE 802.3ad for Port Trunk with LACP- IEEE 802.1Q for VLAN tagging- IEEE 802.1D-2004 for Spanning Tree Protocol- IEEE 802.1w for Rapid Spanning Tree Protocol- IEEE 802.1p for Class of Service- IEEE 802.1X for authentication Ethernet Software Features Industrial Protocols- EtherNet/IP- Modbus TCP- PROFINET IO Device Management- IPv4/IPv6- Flow Control- Back Pressure Flow Control- DHCP Server/Client- ARP- RARP- LLDP- Fibre check- Port Mirroring (SPAN, RSPAN)- Linkup Delay- SMTP- SNMP Trap- SNMP Inform- SNMPv1/v2c/v3- RMON- TFTP- SFTP- HTTP- HTTPS- Telnet- Syslog- Private MIB Filter- GMRP- GVRP- GARP- 802.1Q VLAN- IGMP Snooping v1/v2/v3- IGMP Querier Redundancy protocols- STP- RSTP- Turbo Ring v2- Turbo Chain- Ring Coupling- Dual-Homing- Link Aggregation- MRP- MSTP Security- Broadcast storm protection- Rate Limit- Trust access control- Static Port Lock- MAC Sticky- HTTPS/SSL- SSH- RADIUS- DHCP Snooping- TACACS+- Login and Password Policy- Access control list Time Management- SNMP- NTP Server/Client- NTP Authentication- IEEE 1588v2 PTP (hardware-based)- Supported stream profiles: IEEE 1588 Default 2008, IEC 61850-9-3-2016, IEEE - C37.238-2017 Protocols- IPv4/IPv6- TCP/IP- UDP- ICMP- ARP- RARP- TFTP- DNS- NTP Client- DHCP Server- DHCP Client- 802.1X- QoS- HTTPS- HTTP- Telnet- SMTP- SNMPv1/v2c/v3- RMON- Syslog MIB- P-BRIDGE MIB- Q-BRIDGE MIB- IEEE8021-SPANNING-TREE-MIB- IEEE8021-PAE-MIB- IEEE8023-LAG-MIB- LLDP-EXT-DOT1-MIB- LLDP-EXT-DOT3-MIB- SNMPv2-MIB- RMON MIB Groups 1, 2, 3, 9 Switch Properties MAC Table Size- 16 K Jumbo Frame Size- 9.216 KB Max. Number VLANs- 256 VLAN ID Range- VID 1 to 4094 IGMP Groups- 512 Priority Queues- 4 Packet Buffer Size- 1 M BLEDD Interface LED Indicators- PWR1, PWR2, STATE, FAULT, MSTR/HEAD, CPLR/TAIL, SYNC Serial interface Console connection- RS-232 (Tx, Rx, GND), 8-pin RJ45 (115200, n, 8, 1) USB interface USB port- USB type A (reserved) Input/output interface Alarm contact channels- 1, relay output with a current carrying capacity of 1 A @ 24 VDC Digital input channels- 1 Digital inputs- +13 to +30 V for state 1- -30 to +3 V for state 0- Max. input current: 8 mA Keys Input current: 8 mA Buttons- Reset button DIP switch configuration DIP switch- Turbo ring, master, coupler, reserve Power parameters Connection- 2 removable 4-contact terminal block(s) Pre-installed power module- PWR-100-LV Note- The EDS-4012 series supports modular power supplies. The model names and power parameters are determined by the installed power module. Example:- EDS-4012-4GS-T + PWR-100-LV = EDS-4012-4GS-LV-T- EDS-4012-4GS-T + PWR-105-HV-I = EDS-4012-4GS-HV-T- If you install a different power module, observe the specifications of the corresponding model. For example, if you replace the power module of the EDS-4012-4GS-LV-T with the PWR-105-HV-I, observe the specifications of the EDS-4012-4GS-HV-T. Input voltage- 12/24/48 VDC- Redundant dual inputs Operating voltage- 9.6 to 60 VDC Input current- 12-48 VDC, 1.50-0.40 A or 24 VDC, 0.70 A Power consumption (max.)- 10.7 W Max. PoE output power per port- 90 W Overload protection- Supported Reverse polarity protection- Supported Physical properties IP protection class- IP40 Dimensions- 55 x 140 x 120 mm (2.17 x 5.51 x 4.72 in) Weight- 827 g (1.82 lb) Installation- DIN rail mounting- Wall mounting (with optional kit) Housing- Metal Environmental conditions Operating temperature- -40 to 75°C (-40 to 167°F) Storage temperature (including packaging)- -40 to 85°C (-40 to 185°F) Relative humidity- 5 to 95% (non-condensing) Standards and certifications Industrial cyber security- IEC 62443-4-1- IEC 62443-4-2 Safety- UL 61010-2-201- EN 62368-1 (LVD) EMC- EN 55032/35- EN 61000-6-2/-6-4 EMI- CISPR 32, FCC Part 15B Class A EMS- IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV- IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m- IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV- IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV- IEC 61000-4-6 CS: 10 V- IEC 61000-4-8 PFM Marine- DNV- ABS- LR- NK Vibration- IEC 60068-2-6 Shock- IEC 60068-2-27 Free fall- IEC 60068-2-32 Railway- EN 50121-4 Traffic control- NEMA TS2 Substations- IEC 61850-3- IEEE 1613 Class 1 Hazardous areas- IECEx- ATEX- Class I Division 2 MTBF Time- 1,036.336 hours Standards- Telcordia SR332

Specifications

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