

Item no.: 385491

EDR-8010-VPN-2GSFP-CT - 8 FE copper and 2 GbE SFP multiport industrial secure router with firewall/NAT/VPN

from **1.273,81 EUR**

Item no.: 385491
shipping weight: 0.40 kg
Manufacturer: MOXA



Product Description

Moxa's EDR Series industrial secure routers protect the control networks of critical facilities while maintaining fast data transmission. They are specifically designed for automation networks and are integrated cybersecurity solutions that combine an industrial firewall, VPN, router, and L2 switching functions into a single product that protects the integrity of remote access and critical devices.

8 FE copper and 2 GbE SFP multiport industrial secure router with firewall/NAT/VPN, 12/24/48 VDC input voltage, -10 to 60°C operating temperature, conformal coating

Input/Output Interface Alarm Contact Channels- Resistive load: 1 A @ 24 VDC Buttons- Reset button Digital Input Channels- +13 to +30 V for state 1- -30 to +3 V for state 0- Max. input current: 8 mA Ethernet Interface 10/100BaseT(X) Ports (RJ45 connector)- 8 1000BaseSFP Slots- 2 Standards- IEEE 802.3 for 10BaseT- IEEE 802.3u for 100BaseT(X)- IEEE 802.3z for 1000BaseSX/LX/LHX/ZX- IEEE 802.3x for flow control- IEEE 802.1Q for VLAN Tagging- IEEE 802.1X for authentication- Static Port Trunk DMZ- User-configurable DMZ ports Ethernet Software Features Broadcast Forwarding- IP directed broadcast, broadcast forwarding Management- Back Pressure Flow Control- DDNS- DHCP Server/Client- Web Console (HTTP/HTTPS)- LLDP- QoS/CoS/ToS- SNMPv1/v2c/v3- Telnet- TFTP- HTTPS- SSH Redundancy Protocols- RSTP- STP- Turbo Ring v2- Turbo Chain Routing Throughput- Max. 50K packets per second / 500 Mbps (based on RFC 2544) Routing Table- Max. 4K routing rules Concurrent Connections- Max. 120K (based on RFC 3511) Connections Per Second- Max. Max. 6K (based on RFC 3511) Routing Redundancy- VRRP Security- Secure Boot- IPsec- L2TP (server)- RADIUS- Trust access control- TACACS+ Time Management- NTP Server/Client- SNTPUncast Routing- OSPF- RIPV1/V2- Static Route Multicast Routing- Static Route Filter- IGMP v1/v2/v3 Switch Properties VLAN ID Range- VID 1 to 4094 IGMP Groups- 256 Max. No. of VLANs- 16 LED Interface LED Indicators- PWR1, PWR2, STATE, MSTR/H.TC, CPLR/T.TC, VRRP/HA, VPN, USB DoS and DDoS Protection Technology- ARP-Flood- FIN Scan- ICMP Flood- TCP Sessions Without SYN- NMAP-ID Scan- NMAP-Xmas Scan- Null Scan- SYN/FIN Scan- SYN/RST Scan- SYN-Flood- Xmas Scan Firewall Filter- DDoS- Ethernet protocols- ICMP- IP address- MAC address- Ports Stateful Inspection- Router firewall- Transparent (bridge) firewall Deep Packet Inspection- Modbus TCP- Modbus UDP- DNP3- IEC 60870-5-104- IEC 61850 MMS- EtherNet/IP- Omron FINS- Siemens S7 Comm.- Additional protocols will be supported through future firmware updates. Intrusion Prevention System- Requires an additional license. Throughput- Firewall: Max. 50K packets per second / 500 Mbps (based on RFC 2544) IPsec VPN Authentication- MD5 and SHA (SHA-256)- RSA (key size: 1024-bit, 2048-bit)- X.509 v3 certificate Concurrent VPN Tunnels- Max. 50 IPsec VPN tunnels Encryption- DES- 3DES- AES-128- AES-192- AES-256 Protocols- IPsec- L2TP (server)- PPTP (client) Throughput- Conditions: AES-256, SHA-256- Max. 25K packets per second / 200 Mbps (based on RFC 2544) NAT Features- 1-to-1- N-to-1- Port forwarding- NAT loopback Real-Time Firewall / VPN Event Log Event Type- Firewall event- VPN event Media- Local storage- SNMP Trap- Syslog server Serial Interface Console Port- RS-232 (Tx, Rx, D, GND), 3-pin (115200, n, 8, 1) Connector- USB Type-C Power Parameters Connection- Removable terminal block Operating Voltage- 9.6 to 60 VDC Input Voltage- 12/24/48 VDC, redundant dual inputs (DNV-certified for 24 VDC) Input Current- 0.53 A @ 12 VDC- 0.26 A @ 24 VDC- 0.14 A @ 48 VDC Reverse Polarity Protection- Supported Physical Characteristics Housing- Metal Dimensions- 45 x 135 x 105 mm (1.77 x 5.31 x 4.13 in) Weight- 520 g (1.15 lb) Installation- DIN-rail mounting (DNV-certified)- Wall mounting (with optional kit) Environmental Limits Operating Temperature- -10 to 60°C (14 to 140°F) Storage Temperature (package included)- -40 to 85°C (-40 to 185°F) Ambient Relative Humidity- 5 to 95% (non-condensing) Standards and Certifications Safety- IEC 62368-1- UL 62368-1 EMC- EN 55032/35 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: 2 kV; Signal: 4 kV- IEC 61000-4-6 CS: 10 V- IEC 61000-4-8 PFM Railway- EN 50121-4 Traffic Control- NEMA TS2 Maritime- IEC 60945- DNV Shock- IEC 60068-2-27 Freefall- IEC 60068-2-32 Vibration- IEC 60068-2-6 Power Substation- IEC 61850-3 Edition 2.0- IEEE 1613 Hazardous Locations- ATEX- Class I Division 2- IECEx MTB Time- 1,347,225 hrs Standards- Telcordia (Bellcore), GB

Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability

