



Product: EAGLEOne-0200M2M2SDDZ90000HHE05.4.XX

Configurator: EAGLE One

Configurator Description

Extensive Layer 2 and Layer 3 redundancy features, combined with other highlights such as NAT and firewall, not only guarantee maximum data security but also make it easy to integrate your production facilities into the network. In addition, EAGLE One routers can be used in almost any environment, even Ex areas. Its unique "Firewall Learning Mode" enables easy and smooth commissioning, by allowing you to configure rules based on detected network traffic patterns.

Technical Specifications

Product description

Description	Industrial firewall and security router with extensive Layer 2 and Layer 3 redundancy features, DIN rail mounted, fanless design.
Port type and quantity	2 ports in total, Ports Fast Ethernet: 2 x 10/100 Mbit/s

More Interfaces

V.24 interface	1 x RJ11 socket
USB interface	1 x USB to connect auto-configuration adapter ACA21-USB
Digital Input	1 x plug-in terminal block, 2-pin
Signaling contact	1 x plug-in terminal block, 6-pin

Network size - length of cable

Multimode fiber (MM) 50/125 µm	0-5000 m, 8 dB Link Budget at 1300 nm, A=1 dB/km, 3 dB Reserve, B = 800 MHz x km 0-5000 m, 8 dB Link Budget at 1300 nm, A=1 dB/km, 3 dB Reserve, B = 800 MHz x km
Multimode fiber (MM) 62.5/125 µm	0 - 4000 m, 11 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB Reserve, B = 500 MHz x km 0 - 4000 m, 11 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB Reserve, B = 500 MHz x km

Network size - cascadiability

Line - / star topology	any
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Power requirements

Operating Voltage	12/24/48 V DC/24V AC (redundant)
Power consumption	9.5 W
Redundancy functions	Use in redundant networks/ring coupling, Firewall redundancy (layer 4)

Security features

Multipoint VPN	Point to point, point to multipoint, remote enable/disable or via digital input, IPSec, IKEv1/v2, 3DES, AES (-128, -192, -256), Pre-Shared Key, X.509v3 certificates, MD5, SHA-1, NAT-T, Address Mapping, Hub and Spoke
Stateful inspection firewall	Firewall rules (incoming/outgoing, modem access, management), DoS prevention, MAC filter, user firewall for external activation of FW rules

Software

Management	SSHv1, SSHv2, SNMP v1/v2/v3, HTTPS, SFTP, V.24, Access to management restricted by VLAN, Restricted management access, Remote authentication via RADIUS, Password change on first login
Diagnostics	LLDP, LEDs (status, VPN, redundancy, link status, data, ACA), Signal contact, logfile, Syslog, configuration check
Configuration	Command Line Interface (CLI), WEB based management, Automatic configuration undo (roll-back), Text based configuration file (XML), HiDiscovery, HiView, Industrial HiVision
Time synchronisation	NTP/SNTP
Routing	Static unicast routing, Multinetting, 1-to-1 NAT, IP masquerading, Port forwarding, Double NAT

Ambient conditions

Operating temperature	0-+60 °C
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Storage/transport temperature	-40-+85 °C
Relative humidity (non-condensing)	10-95 %

Mechanical construction

Dimensions (WxHxD)	60 mm x 145 mm x 125 mm
Weight	660 g
Mounting	DIN rail
Protection class	IP20

Mechanical stability

IEC 60068-2-6 vibration	1 mm, 2 Hz-13.2 Hz, 90 min.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 10 cycles, 1 octave/min
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks

EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD)	4 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80-3000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 4 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 Conducted Immunity	3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)

EMC emitted immunity

EN 55032	EN 55032 Class A
FCC CFR47 Part 15	FCC 47CFR Part 15, Class A

Approvals

Basis Standard	CE, FCC, C-Tick, EN 61131, EN 60950
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Scope of delivery and accessories

Accessories	Rail power supply RPS 30, RPS 80 EEC, RPS 120 EEC, terminal cable, network management Industrial HiVision, auto-configuration adapter ACA21-USB EEC, 19" installation frame
Scope of delivery	Device, terminal block, General safety instructions

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