



Technical Information

Product Description		
Type	EAGLE20-0400	EAGLE30-0402
Stateful Inspection Firewall	Firewall rules (incoming/outgoing, management), IP masquerading, 1-to-1 NAT, DoS limiter, MAC filter	
Description	Industrial Firewall, Router, Transparent (Bridging)	
Port Type and Quantity	4x10/100BASE-TX, TP-cable, RJ45-socket, autocrossing, autonegotiation, autopolarity	4x10/100BASE-TX, TP-cable, RJ45-socket, autocrossing, autonegotiation, autopolarity; 2 x FE/GE SFP slot
Order-No.	see online configurator	see online configurator
Interfaces		
V.24 Interface	1 x RJ11 socket (serial interface for device configuration)	
USB Interface	1 x USB socket (to connect auto-configuration adapter ACA21-USB)	
SD Interface	1 x SD socket (to connect auto-configuration adapter ACA31-SD)	
Power Requirements		
Power Supply/Signaling Contact	1 x plug-in terminal block, 6-pin	
Current Consumption at 24 V DC	max. 14 W	
Operating Voltage	18 to 60 V DC, or 48 to 320 V DC and 88 to 265 V AC	
Software		
Management	Command Line Interface (CLI), Web Interface, Auto-Configuration Adapter (ACA21-USB), DHCP, HiDiscovery, Industrial HiVision	
Diagnostics	LEDs (power, link status, data, status, ACA, RM), signal contact (DC 24 V/1 A), logfile, syslog, configuration check	
Configuration	Command Line Interface (CLI), web interface, auto configuration adapter (ACA21, ACA31), HiDiscovery	
Software	EAGLE20-0400 Firmware v01.0.00 (01.0.00)	
Other Services	NTP, VLAN support (IEEE 802.1Q), port forwarding	
Redundancy Functions	Redundant power inputs	
Protocols	Serial, HTTPS, SSH, SNMP V1/V2/V3, LLDP	
EMC Interference Immunity		
EN 61000-4-2 Electrostatic Discharge (ESD)	6 kV contact discharge, 8 kV air discharge	
EN 61000-4-6 Conducted Immunity	3 V (10 kHz to 150 kHz), 10 V (150 kHz to 80 MHz)	
EN 61000-4-5 Surge Voltage	Power line: 2 kV (line/earth), 1 kV (line/line)	
EN 61000-4-3 Electromagnetic Field	10 V/m (80 MHz to 2000 MHz)	
EN 61000-4-4 Fast Transients (Burst)	2 kV power line, 1 kV data line	
EMC Emitted Immunity		
EN 55022	EN 55022 Class A	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A	
Mechanical Stability		
IEC 60068-2-27 Shock	15 g, 11 ms duration, 18 shocks	
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	
El. Mechanisms on rail-mounted Vehicles	EN 50155, EN 50121-4, DIN 5510-2, NF F 16-101, NF F 16-102	
Construction		
Weight	Aluminium housing: 1.5 kg; Plastic housing: 1.3 kg	
Mounting	DIN Rail 35 mm	
Protection Class	IP 20	
Dimensions (WxHxD)	Width (metal housing): 100 mm; Width (plastic housing): 90 mm; Height: 165 mm; Depth: 115 mm	
Twisted Pair (TP), Length of Cable	0 m to 100 m	
Ambient Conditions		
Operating Temperature	-40°C to +85°C	
Relative Humidity (non-condensing)	10% to 95%	
Storage/Transport Temperature	-40°C to +85°C	
Approvals		
Germanischer Lloyd	Germanischer Lloyd	
Manufacturer Declaration of Conformity	FCC Declaration 47CFR: 11/2009, Part 15, Subpart B, Class A Unintentional radiators, C-Tick Declaration Australian Radio communications Standard 1998	
Safety of Industrial Control Equipment	cUL 508	
Hazardous Locations	cUL Approval according to ISA-12.12.-01 Class 1 Div. 2 Group A, B, C, D	
Substation	EN 61850-3, IEEE 1613	
Traffic Controller	NEMA TS 2	
Scope of Delivery and Accessories		
Scope of Delivery	Device, terminal block, operating instructions, CD-manual	
Accessories to Order Separately	Rail power supply RPS 30, RPS 80 EEC, RPS 120 EEC; terminal cable, network management Industrial HiVision, modem cable, auto-configuration adapter ACA21-USB, 19" installation frame	