



Product: EAGLE30-04022O6TT999TCCY9HSE3F

Configurator: EAGLE20/30 Industrial Firewalls

Configurator Description

The advanced security functionality of the Hirschmann Security Operating System (HiSecOS), paired with these multiport industrial firewalls, creates a solution capable of securing and protecting an entire industrial network.

Technical Specifications

Product description

Type	Product code: EAGLE30-04022O6TT999TCCY9HSE3FXX.X
Description	Industrial firewall and security router, DIN rail mounted, fanless design. Fast Ethernet, Gigabit Uplink type. 2 x SHDSL WAN ports
Part Number	942058001
Port type and quantity	6 ports in total; Ethernet Ports: 2 x SFP slots (100/1000Mbit/s); 4 x 10/100BASE TX / RJ45

More Interfaces

V.24 interface	1 x RJ11 socket
SD-card slot	1 x SD card slot to connect the auto configuration adapter ACA31
USB interface	1 x USB to connect auto-configuration adapter ACA22-USB
Digital Input	1 x plug-in terminal block, 2-pin
Power Supply	2 x plug-in terminal block, 2-pin
Signaling contact	1 x plug-in terminal block, 2-pin

Network size - length of cable

Twisted pair (TP)	0-100 m
Single mode fiber (SM) 9/125 µm	see SFP fiber module M-SFP-xx / M-Fast SFP-xx
Single mode fiber (LH) 9/125 µm (long haul transceiver)	see SFP fiber module M-SFP-xx / M-Fast SFP-xx
Multimode fiber (MM) 50/125 µm	see SFP fiber module M-SFP-xx / M-Fast SFP-xx
Multimode fiber (MM) 62.5/125 µm	see SFP fiber module M-SFP-xx / M-Fast SFP-xx

Network size - cascadiability

Line - / star topology	any
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Power requirements

Operating Voltage	2 x 24/36/48 VDC (18 -60VDC)
Power consumption	14 W
Power output in BTU (IT)/h	48

Security features

Multipoint VPN	IPSec VPN
Stateful inspection firewall	Firewall rules (incoming/outgoing, management); DoS prevention

Software

Redundancy	VRRP (Virtual Router Redundancy Protocol); VRRP Tracking
Management	SNMPv3; SSH2/SFTP/SCP; HTTP: HTTPS; V.24 CLI; SNMPv1/2, Traps; local and central user management (RADIUS); HiDiscovery; Industrial HiVision; HiView; ; Dual Software Image Support; LLDP (802.1AB);
Diagnostics	LEDs (power, link status, data, status, ACA, RM); signal contact (DC 24 V / 1 A); logfile; syslog; configuration check; RMON (statistics); SFP diagnostics (temperature, optical transmit and receive power); trap for changes and configuration saves; Counter for ACL Rules

Configuration	Command Line Interface (CLI); web interface; Auto Configuration Adapter (ACA22, ACA31); HiDiscovery; Industrial HiVision; Automatic Configuration Undo (roll-back); Configuration Fingerprint; Text-based Configuration File (XML); CLI Scripting; Full-featured MIB Support;
Security	Layer 3 and Layer 2 Access Control Lists (ACL); ACL flow based limiting; Audit trail; HTTPS; SSHv2; SFTP; SNMPv3; Management VLAN; Role based Access Control; Remote Authentication via RADIUS; IEEE1686 compliant configuration possible; Ingress storm protection, Password change on first login
Time synchronisation	Buffered Real Time Clock, NTP Client, NTP Server
Miscellaneous	Support for WAN Interface SHDSL; Support for FE/GE Twisted Pair SFP; Wire speed port scan prevention; 8 QoS classes; port prioritization IEEE 802.1D/Q; VLAN IEEE 802.1Q, DHCP relay
Routing	VLAN and port based routing; static routing; multinetting; IP masquerading; 1-to-1 NAT; port forwarding; Static and Dynamic ARP entries; OSPFv2; Static Route Tracking

Ambient conditions

Operating temperature	-40+75 °C
Note	IEC 60068-2-2 Dry Heat Test +85°C 16 Hours
Storage/transport temperature	-40+85 °C
Relative humidity (non-condensing)	10-95 %

Mechanical construction

Dimensions (WxHxD)	98 x 164 x 120mm
Weight	1500 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)	8 kV contact discharge, 15 kV air discharge
EN 61000-4-3 electromagnetic field	35 V/m (80 - 3000 MHz); 1kHz, 80% AM
EN 61000-4-4 fast transients (burst)	4 kV power line, 4 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line); data line: 1 kV; IEEE1613: power line 5kV (line/earth)
EN 61000-4-6 Conducted Immunity	10 V (150 kHz-80 MHz)
EN 61000-4-16 mains frequency voltage	30 V, 50 Hz continuous; 300 V, 50 Hz 1 s

EMC emitted immunity

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

Approvals

Basis Standard	CE; FCC; EN 61131; EN 60950
Safety of information technology equipment	cUL 508

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 ACA22-USB EEC or ACA31, 19" installation frame
Scope of delivery	Device, terminal blocks, General safety instructions

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