



Product: EAGLE2030-0402206TT999ECCZ9HSEUNXX.X.XX

Configurator: EAGLE2030 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

Eagle2030 Product description

Eagle2030 Description	Industrial firewall and security router, DIN rail mounted, fanless design. Fast Ethernet, Gigabit Uplink type. 2 x SHDSL WAN ports
Eagle2030 Port type and quantity	6 ports in total; Ethernet Ports: 2 x SFP slots (100/1000 Mbit/s); 4 x 10/100BASE TX / RJ45

Eagle2030 Interfaces

Eagle2030 V.24 interface	1 x RJ11 socket
Eagle2030 SD-card slot	1 x SD card slot to connect the auto configuration adapter ACA31
Eagle2030 USB interface	1 x USB to connect auto-configuration adapter ACA22-USB
Eagle2030 Digital Input	1 x plug-in terminal block, 2-pin
Eagle2030 Power Supply	2 x plug-in terminal block, 2-pin
Eagle2030 Signaling contact	1 x plug-in terminal block, 2-pin

Eagle2030 Network size - length of cable

Eagle2030 Twisted pair (TP)	0-100 m
Eagle2030 Single mode fiber (SM) 9/125 µm	see SFP fiber module M-SFP-xx / M-Fast SFP-xx
Eagle2030 Single mode fiber (LH) 9/125 µm (long haul transceiver)	see SFP fiber module M-SFP-xx / M-Fast SFP-xx
Eagle2030 Multimode fiber (MM) 50/125 µm	see SFP fiber module M-SFP-xx / M-Fast SFP-xx
Eagle2030 Multimode fiber (MM) 62.5/125 µm	see SFP fiber module M-SFP-xx / M-Fast SFP-xx

Eagle2030 Network size - cascability

Eagle2030 Line - / star topology	any
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Eagle2030 Power requirements

Eagle2030 Operating Voltage	2 x 24/36/48 VDC (18 -60VDC)
Eagle2030 Power consumption	14 W
Eagle2030 Power output in BTU (IT)/h	48

Eagle2030 Security features

Eagle2030 Multipoint VPN	IPSec VPN
Eagle2030 Deep Packet Inspection	Enforcer "OPC Classic", Enforcer "Modbus", DNP3
Eagle2030 Stateful inspection firewall	Firewall rules (incoming/outgoing, management); DoS prevention

Eagle2030 Software

Eagle2030 Redundancy	VRRP (Virtual Router Redundancy Protocol); VRRP Tracking
Eagle2030 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);
Eagle2030 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 Verbose syslog with traffic information

Eagle2030 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;
Eagle2030 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
Eagle2030 Time synchronisation	Buffered Real Time Clock, NTP Client, NTP Server
Eagle2030 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
Eagle2030 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

Eagle2030 Ambient conditions

Eagle2030 Operating temperature	-40-+75 °C
Eagle2030 Note	IEC 60068-2-2 Dry Heat Test +85°C 16 Hours
Eagle2030 Storage/transport temperature	-40-+85 °C
Eagle2030 Relative humidity (non-condensing)	10-95 %
Eagle2030 Protective paint on PCB	Yes (conformal coating)

Eagle2030 Mechanical construction

Eagle2030 Dimensions (WxHxD)	98 x 164 x 120mm
Eagle2030 Weight	1500 g
Eagle2030 Mounting	DIN Rail
Eagle2030 Protection class	IP20

Eagle2030 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

Eagle2030 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 continous; 300 V, 50 Hz 1 s

Eagle2030 EMC emitted immunity

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

Eagle2030 Approvals

Eagle2030 Basis Standard	CE; FCC; EN 61131; EN 60950
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Eagle2030 Reliability

Eagle2030 Guarantee	60 months (please refer to the terms of guarantee for detailed information)
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Eagle2030 Scope of delivery and accessories

Eagle2030 Accessories	Rail power supply RPS 30, RPS 80 EEC, RPS 120 EEC, terminal cable, network management Industrial HiVision, auto-configuration adpater ACA22-USB EEC or ACA31, 19" installation frame
Eagle2030 Scope of delivery	Device, terminal blocks , General safety instructions

Further Instructions

Eagle2030 Product Documentation	https://www.doc.hirschmann.com/index.html
Eagle2030 Certificates	https://www.doc.hirschmann.com/certificates.html

Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.