HIRSCHMANN
A BELDEN BRAND



Product: EAGLE40-4F-SECURITY

Field-Level Industrial Firewall with Enhanced Cybersecurity Including Deep Packet Inspection (DPI)

Product Description

The Hirschmann EAGLE40-4F is a field-level industrial firewall with four (4) Gigabit Ethernet ports, real-time traffic monitoring, and advanced cybersecurity capability. Includes deep packet inspection (DPI) modules.

Technical Specifications

Product description

Type:	EAGLE40-4F-SECURITY
Name:	EAGLE40-4F-SECURITY
Part Number:	942333002
Port Type and Quantity:	4 x GbE RJ45 ports
Port Speed:	10/100/1000 Mbit/s RJ45

Displays

LEDs:	LEDs (Power, Link Status, Data, Status), Signal Contact (24 V DC/1 A), Log File, Syslog, Configuration check RMON (Statistic), Trap for changes and configuration saves

More Interfaces

USB interface:	1 x USB 2.0 port
Serial Interface:	1 x RJ45 port (RS-232, RS-422, RS-485)
Power Supply:	1 x plug-in terminal block, 10-pin

Hardware

CPU:	NXP i.MX 8M Mini ARMv8 64-bit Cortex-A53 @ 1.6GHz
Memory:	LPDDR4 2 GB
Storage:	8 GB eMMC storage

Power requirements

Operating Voltage:	Dual 12 - 24 V DC
Power Consumption:	Minimum – 2.5W, Maximum – 12W

Security features

Multipoint VPN:	IPSec, IKE v1/v2, 3DES, AES (-128, -192, -256), Pre-Shared Key (PSK), X.509v3 Certificates, MD5, SHA-1, NAT-T, Hub-and-Spoke
Deep Packet Inspection:	Unified Protection Suite (All Enforcers)
Stateful inspection firewall:	Firewall rules (incoming/outgoing, management) Unified Protection Suite (All Enforcers)

Software

Redundancy:	VRRP (Virtual Router Redundancy Protocol), Tracking Framework for VRRP
Management:	SNMPv3, SSH2/SFTP/SCP, HTTPS, Serial CLI, SNMPv1/2, local and central User Management (RADIUS), HiDiscovery, Industrial HiVision, HiView, LLDP
Diagnostics:	LEDs (Power, Link Status, Data, Status), Log File, Syslog, Configuration check, RMON (statistics), Trap for changes and configuration saves
Configuration:	Command Line Interface (CLI), Web Interface, Auto-Configuration Adapter (ACA22), HiDiscovery, Industrial HiVision, HiView
Security:	DoS prevention, IPSec VPN, Audit trail, Role-based Access Control, Remote Authentication via RADIUS, IEEE 1686 compliant configuration possible, Firewall Learning Mode, Routed Firewall Mode and Transparent Firewall Mode for Layer 3 and Layer 2 packet filtering rules, Management VLAN, Ingress storm protection, Authentication using LDAP, Deep Packet Inspection (DPI) Enforcer Modules: Modbus TCP, OPC, EtherNet/IP, IEC104, DNP3, and AMP
Miscellaneous:	NTP Client and Server, DHCP L3 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

MTBF (Telcordia SR-332 Issue 4) @ 25°C:	309,149 hours
Operating temperature:	-40-+70 °C
Minimum Storage Temperature:	-40-+85 °C

Mechanical construction

Dimensions (WxHxD):	48 x 137 x 105 mm
Weight:	613 g
Housing Material:	Aluminum with DIN clip
Mount Type:	DIN Rail 35 mm
Protection Degree / IP Rating**:	IP30

Approvals

Basis Standard:	CE, FCC
Safety of industrial control equipment:	UL 61010
Hazardous locations:	ISA-12.12.-01 Class 1 Div. 2 – Haz. Loc, ATEX-95 Category 3G (Zone 2)

Reliability

Guarantee:	60 months (please refer to the ""terms of guarantee or detailed information)
Warranty:	5 years

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com/index.html
Certificates:	https://www.doc.hirschmann.com/certificates.html
Software Download:	https://my.belden.com/s/downloads

History

Update and Revision:	Revision Number: 0.88 Revision Date: 10-08-2026

Variants

Item #	Type
942333002	EAGLE40-4F-SECURITY

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