


**Product:** [IAF-240 - Advanced](#) 



**Belden IAF-240 Industrial Firewall with Advanced Edition Subscription (3-year)**

**Product Description**

The Belden IAF-240 Industrial Firewall is designed for critical infrastructure and Industry 4.0 applications with four (4) Gigabit Ethernet ports (all RJ45), extended operating temperature range, hazardous location approvals, a quad-core ARM64 CPU, 4 GB LPDDR4 RAM, and 64 GB eMMC storage. This includes a 3-year Advanced Edition subscription with advanced firewall, VPN, edge computing, anti-malware, web filtering, high availability, and deep packet inspection capabilities.

**Technical Specifications**

**Product description**

Part Number:	942355002
Port Type and Quantity:	4 x GbE RJ45 ports
Port Speed:	10/100/1000 Mbit/s RJ45

**More Interfaces**

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

**Hardware**

Bypass:	N/A
CPU:	NXP i.MX 8M Mini ARMv8 64-bit Cortex-A53 @ 1.6GHz (quad core)
Encryption:	TPM 2.0 (Trusted Platform Module)
Memory:	LPDDR4 4 GB
Storage:	64 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 v2), OpenVPN, WireGuard, WebVPN
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**Service**

Protocols:	IPv4, IPv6, NTP, VRRP, SNMPv3, PPPoE, DHCP, DNS, DynDNS, SSH, SSL
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**Software**

Management:	Web-based admin dashboard expandable with widgets, Cloud-based Firewall Management Software, High Availability (Configuration Synchronisation, Status Synchronisation, VRRP Virtual IPs), VLAN, Bash, Python Script Support, Quality of Service (QoS), SNMPv3, CRON Jobs, UPnP & NAT-PMP, Setup Wizard
Security:	Deep Packet Inspection (AMP, DNP3, EtherNet/IP, IEC 61850 GOOSE, IEC104, Modbus TCP, OPC, Siemens S7 and S7 Plus), Anti-Malware, Web Filtering / Blacklisting, Stateful Packet Inspection Firewall (Packet Filtering, Port Filtering), Firewall Learning Mode, Access Control Lists, Certification Management, Let's Encrypt Support, Network Objects, Application Control, eXpress Data Path
Routing:	Layer 3, Layer 2 Bridging, Network Address Translation (NAT), SNAT, DNAT, BiNAT
Application Support and Management:	Docker Container

**Ambient conditions**

MTBF (Telcordia SR-332 Issue 4) @ 25°C:	309,149 hours
Relative humidity (non-condensing):	5-95 %

## Mechanical construction

Dimensions (WxHxD):	48 x 137 x 105 mm
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

## Reliability

Guarantee:	60 months (please refer to the " <a href="#">terms of guarantee</a> " or detailed information)
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## Further Instructions

Product Documentation:	<a href="https://www.doc.hirschmann.com/index.html">https://www.doc.hirschmann.com/index.html</a>
Certificates:	<a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a>
Software Download:	<a href="https://my.belden.com/s/downloads">https://my.belden.com/s/downloads</a>

## History

Update and Revision:	Revision Number: 0.25 Revision Date: 03-03-2026
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