RedLion®
BY HMS NETWORKS

FlexEdge® Advanced IIoT Gateway 3-Sled with HDMI output – 2 RS-232, 1 RS-485 Ports

Item number: DA70A1FNNNNNN030

The FlexEdge Advanced IIoT Gateway 3-Sled with 2 RS-232 and 1 RS-485 Ports and HDMI Output makes your data actionable. Modular hardware and intuitive configuration software makes it easy to connect legacy and newer equipment, transfer data to cloud-based systems and monitor equipment remotely. Use HDMI to visualize productivity dashboards locally on a smart TV.

Unmatched data access, network security and real-time visualization in an all-in-one edge IIoT platform

Features and benefits

Simplifyies application complexity with one device

Use a single device as a networking gateway, protocol converter and/or automation controller. As networks and applications evolve and operations expand, adapt easily with field-upgradable software.

Designed with security in mind

Advanced network security helps prevent unauthorized access to your network. Built-in firewall, encrypted communication, password policies and RADIUS authentication keep networks and data secure.

Flexible connectivity

Customize systems to meet new connectivity needs and standards. Plug-and-play communications sleds, including dual-SIM cellular, Wi-Fi, Ethernet, serial and USB.

Enable data analytics

Access data faster for productivity and operational efficiency gains. Connect FlexEdge® to a SQL server, SCADA system, or to the cloud to deliver data to enterprise data mining and analytical tools.

Seamlessly integrate OT and IT systems

All the security features you need to safely integrate OT with enterprise IT systems. RADIUS authentication, LDAP, and other user authentication systems.

Control and monitor multiple I/O points

Easily add up to 10 hot-swappable I/O modules, including analog I/O, digital I/O, universal input, relays and PID control.

Rugged and durable industrial design

Built to operate in harsh, hazardous environments and withstand extreme temperatures from -20 ° C to 75 ° C. Industry attested with HazLoc, UL Class 1, Division 2 and ATEX/IECEx and ABS certifications.

Connect legacy and new equipment

Use Crimson's up-to-date suite of over 300 drivers to access data for your application. Connect legacy protocols to open standards such as OPC UA and MQTT to share data with enterprise systems.

Powerful low/no code programming environment

Crimson® configuration software converts 10 protocols from 300+ supported drivers simultaneously. Or write your own code using the C-like programming environment with IEC61131 language support.

Fast and easy OT deployment

Drag-and-drop configuration takes the difficulty out of device and network setup. Follow a simple, step-by-step process to configure communications protocols and cloud connectivity quickly.

Monitor remote assets

Use an advanced webserver, diagnostics and VPN connectivity to monitor and set up alerts for remote assets. Send notifications, reports and data logs to specified users with the built-in mail manager.

Make data actionable with local visualization

Deploy customized, real-time productivity dashboards to a smart TV locally. Choose from 6 common sample productivity templates or use Crimson software to easily adapt displays to your requirements.

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General

Net Weight (g)	0.01
Packed Width (mm)	254
Packed Height (mm)	133.35
Packed Depth (mm)	304.8
Packed Weight (g)	1034.01
Operating Temperature °C Min	-20
Operating Temperature °C Max	75
Storage Temperature °C Min	-20
Storage Temperature °C Max	85
Relative Humidity	0 to 85% relative humidity (non-condensing)
Power Consumption (W)	0
Input Voltage (V)	12 to 24 VDC +/- 15%, Class 2 Source
Maximum Installation Altitude (m)	2000
Mounting	DIN rail mount (bracket included)
Housing Materials	Plastic, Metal Housing
Packaging Material	Cardboard
Warranty (years)	3

Identification and Status

Product ID	DA70A1FNNNNNN030
Country of Origin	United States of America (the)

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Identification and Status

HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	Three-pin top mounted connector Wire Strip Length: 0.3" (7.5 mm) Wire Gauge Capacity: 12 to 24 AWG (3.31 to 0.20 mm2) copper wire only Torque: 4.4-5.3 inch-lbs (0.5-0.6 N-m) Module Connection: 8 pin connectors Wire Strip Length: 0.3" (7.5 mm) Wire Gauge Capacity: 14 to 24 AWG (2.08 to 0.20 mm2) copper wire only Torque: 2 inch-lbs (0.23 N-m), 1x RJ12, 4x RJ45, 1x USB type B
SD Card Slot	Yes
Flash Drive	Yes
Contains Battery	No

Certifications and Standards

Protection Class IP	IP30
RoHS Compliant	Yes
CE	Yes
FCC	No
UKCA	Yes
UL	Yes
UL Information	E317425
ATEX	Yes
ATEX Information	II 3 G Ex ec IIC T4 Gc DEMKO 20 ATEX 2268X
DNV	No
KC	No
EMC	No

Certifications and Standards

Environment	EN 60664-1, EN 61326-1
Vibration and Shock	IEC 60068-2-27: Operational 15 g; IEC 60068-2-6: Operational 5-500 Hz, 2 g