

## FlexEdge® Automation Controller 3-Sled with HDMI output – 2 RS-232, 1 RS-485 Ports

Item number: DA70A1FNNNNNN040

The FlexEdge Automation Controller 3-Sled with 2 RS-232 and 1 RS-485 Ports with 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                        | DA70A1FNNNNNN040                            |
| 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 mm <sup>2</sup> ) 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 mm <sup>2</sup> ) 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   |

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## 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 |