



FlexEdge® Automation Controller 3-Sled – 1 RS-232, 2 RS-485 Ports

Item number: DA70A0GNNNNNN040

The FlexEdge Automation Controller 3-Sled with 1 RS-232 and 2 RS-485 Ports 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.



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

Features and benefits

- ✓ **Simplifies 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 -40 ° 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.

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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) | 0.01 |
| Operating Temperature °C Min | -40 |
| Operating Temperature °C Max | 75 |
| Storage Temperature °C Min | -40 |
| Storage Temperature °C Max | 85 |
| Relative Humidity | 0 to 85% max. RH non-condensing |
| Power Consumption (W) | 17 |
| Input Voltage (V) | 12-24 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 | DA70A0GNNNNNN040 |
| 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 ²) 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 ²) copper wire only Torque: 2 inch-lbs (0.23 N-m), 1x RS232, 2x RS422/485 via RJ45, 2x RJ45, 1x Optional HDMI port, 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 |
| ATEX | Yes |
| DNV | No |
| KC | No |
| Vibration and Shock | IEC 60068-2-27, 15 g; IEC 60068-2-6: Operational 5-500 Hz, 2 g |