

# FLEXEDGE

## COMMUNICATION

## SLEDS



## ▲ FLEXEDGE™ Intelligent Edge Automation Platform

ONE PLATFORM. MILLIONS OF CONFIGURATIONS. LIMITLESS POTENTIAL.

From factory automation to rugged remote applications, FlexEdge communications sleds feature wide operating temperature ranges and industrial certifications including UL Class 1, Div. II, and ATEX/IECEX approvals for reliable operations.

Future-proof your installation and avoid costly and complex rip-and-replace scenarios by enabling your organization to leverage new communications technologies as they become available.

### APPLICATIONS

- ▲ Factory Automation
- ▲ Oil & Gas
- ▲ Power & Utilities
- ▲ Water/Wastewater
- ▲ Maritime
- ▲ Industrial Internet of Things (IIoT)

### PRODUCT HIGHLIGHTS

- ▲ Field Installable
- ▲ Industrial Rated for Hazardous Locations
- ▲ Wide Operating Temperature Range
- ▲ Simplified Deployment Architecture

### FEATURES & BENEFITS

#### FIELD INSTALLABLE

- ▲ Quickly adapt DA50/DA70 controllers to meet application requirements. Install sleds before deployment, or as needed in the future. Easily change technology without replacing and reconfiguring the whole system.

#### BUILT FOR INDUSTRIAL APPLICATIONS

- ▲ From factory automation to rugged remote applications, DA50/DA70 sleds feature wide operating temperature ranges and industrial certifications including UL Class 1, Div. II, and ATEX/IECEX approvals for reliable operations.

#### MODULAR COMMUNICATIONS

- ▲ From 4G LTE cellular to serial communication, DA50/DA70 sleds can provide a variety of communication possibilities. Install up to three (3) communication sleds into a DA70 to address complex or dense deployments.

## Cellular Sled

Add 4G LTE cellular communication to any application. Provides high speed CAT4 connectivity to enable real time monitoring and/or control capabilities. Cellular sleds provide multi-carrier support with pre-loaded carrier profiles to ensure connectivity in almost any market.

### FEATURES

- ▲ Provides High Speed Cat 4. Connectivity
- ▲ Global Cellular Coverage with Certification on AT&T and Verizon
- ▲ Dual SIM Slots
- ▲ SIM Card Size 2FF
- ▲ Built-in Active GPS

### CONNECTIONS

- ▲ Two (2) SMA connectors for Cellular
- ▲ One (1) SMA connector for Active GPS

### ORDERING GUIDE

Part Number	Description
DA-S00-CL9C4S-AM-000	4G LTE (Cat. 4) Cellular Sled for North America (AT&T, Others)
DA-S00-CL9C4S-VZ-000	4G LTE (Cat. 4) Cellular Sled for North America (Verizon)
DA-S00-CL9C4S-EU-000	4G LTE (Cat. 4) Cellular Sled for EU, SE Asia, and Asia Pacific



### FREQUENCIES

Region	AMER - VZ	AMER - AM	EMEA - EU
Profile	VERIZON, MULTI-CARRIER SUPPORT	AT&T, MULTI-CARRIER SUPPORT	MULTI-CARRIER SUPPORT
4G BANDS	B2(1900), B4(AWS-1700), B5(850), B12/B13(700)	B2(1900), B4(AWS-1700), B5(850), B12/B13(700)	B1(2100), B3(1800), B7(2600), B8(900), B20(800)
3G BANDS			B2(2100), B8(900)
2G BANDS			B3(1800), B8(900)

## USB Sled

The USB Host port sled provides one (1) high speed USB 2.0 type A female port. This USB port can be used for expanding memory with a memory stick (not included), keyboard, or other compatible USB devices. Specific device compatibility is controlled by the controller.

### FEATURES

- ▲ High Speed USB 2.0
- ▲ USB Type A connector
- ▲ Up to 500mA Capable
- ▲ Field Installable

### ORDERING GUIDE

Part Number	Description
DA-S00-PN40U4-00-000	Single USB 2.0 Host Sled



## Serial Sled

Adding Serial ports to a DA50D or DA70D controller is easy with the field installable Serial sleds. Available in three (3) different port configurations: two RS232 ports, two RS485/RS422 ports, or one RS232 port and one RS485/RS422 port. Each port is isolated and offers up to 5,000 Vrms of isolation.

### FEATURES

- ▲ Individually Isolated Serial Ports
- ▲ Available with RS232, RS485, or Mixed Configuration
- ▲ Up to 5,000 Vrms Isolation
- ▲ Field Installable

### ORDERING GUIDE

Part Number	Description
DA-S00-PN2221-IS-000	Dual Isolated RS-232 Ports Sled
DA-S00-PN2442-IS-000	Dual Isolated RS-485 Ports Sled
DA-S00-PN2245-IS-000	Mixed Isolated RS-232/RS-485 Ports Sled



## Wi-Fi Sled

The wi-fi sled offers 802.b/g/n connectivity in a small form factor. Providing reliable connectivity is easy with industry-standard 2.4GHz support. Wi-Fi sled can offer Client or Access Point mode, which is controlled by controller. (Note DA50D and DA70D controllers only offer Wi-Fi client operation.)

### FEATURES

- ▲ Support for 802.11 b/g/n Wi-Fi
- ▲ 2.4 GHz Operation
- ▲ 20.5 Dbm RF Output
- ▲ Access Point or Client Mode (Controller Dependent)
- ▲ Built-in Encryption

### ORDERING GUIDE

Part Number	Description
DA-S00-WF10N0-AM-000	802.11 b/g/n Wi-Fi Sled



## CERTIFICATIONS & COMPLIANCES

\*Refer to the controller manual for agency certifications.  
CE Approved  
EN 61326-1 Immunity to Industrial Locations  
Emission CISPR 11 Class A  
IEC/EN 61010-1  
RoHS Compliant

## ENVIRONMENTAL

Operating Temperature Range: -40 to 75 °C  
Storage Temperature Range: -40 to 80 °C  
Vibration to IEC 60068-2-6: Operational 5-500 Hz, 2 g  
Shock to IEC 60068-2-27: Operational 15 g  
Operating and Storage Humidity: 0 to 95% max. RH noncondensing  
Altitude: Up to 2000 meters

## WARRANTY

3 years on design and manufacturing defects  
Specifications are subject to change. Visit [www.redlion.net](http://www.redlion.net) for more information



See software manual for details on sled operation



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As global experts in communication, monitoring and control for industrial automation and networking, Red Lion has been delivering innovative solutions for over forty years. Our automation, Ethernet and cellular M2M technology enables companies worldwide to gain real-time data visibility that drives productivity. Product brands include Red Lion, N-Tron and Sixnet. With headquarters in York, Pennsylvania, the company has offices across the Americas, Asia-Pacific and Europe. Red Lion is part of Spectris plc, the productivity-enhancing instrumentation and controls company. For more information, please visit [www.redlion.net](http://www.redlion.net). ADLD0496 030320 © 2020 Red Lion Controls, Inc. All rights reserved. Red Lion, the Red Lion logo, N-Tron and Sixnet are registered trademarks of Red Lion Controls, Inc. All other company and product names are trademarks of their respective owners.

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