

**New
Summer 2011**

DeviceLinc™ DLR310W

Industrial Ethernet "Wireless-cable" 802.11bgn Modem

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The Data-Linc industrial 802.11bgn DLR310W "Wireless-cable" radio is part of the *DeviceLinc™* Family of short-range, low-cost industrial wireless modems. The DLR310W is ideal for mobile, rotating and temporary installations. Even when data is transferred to moving devices, the DLR310W maintains the wireless connection and provides reliable continuous communication without changing Access Points and without special firmware. The DLR310W clients on each cooperating moving device deliver uninterrupted data as a standard integrated feature. For distances up to 0.4 km, it replaces hard-wired Ethernet cable with a robust, reliable and maintenance-free wireless option that includes an internal antenna. Setup is fast and simple. Connect two units to their power source, simultaneously press and hold the "mode" button for five seconds, and the two units are configured and communicating.

Applications

- **Low-cost point-to-point Ethernet cable replacement**
- **Extended range in multipoint setup with Data-Linc's FastLinc FLC830E as the longer-range Master**
- **Point-to-point Ethernet cable replacement**
- **Wireless LAN client adapter in an Infrastructure setup**
- **Short-range Station Adapter for FastLinc Family's FLC830E**

DLR310W Features

- **Up to 0.4 km (1/4 miles)**
- **Industrial 802.11bgn DSSS, for robust, wireless communication**
- **Roaming without interruption or lag in data transfer**
- **Built in antenna for cost-effective, quick installation**
- **Easy configuration via "hold-to-set" mode, or browser for more advanced features**
- **Supports 128 bit security —WEP, WPA, WPA2, TKIP, CCMP (AES) PEAP, LEAP**
- **Configuration options include Profinet optimizations**
- **Wireless Ethernet Bridge, wireless LAN Client**

Certifications/Compliance

FCC/CFR 47 part 15

IC (Industry Canada)

R&TTE Directive 1999/5/EC (Europe)

EN 300 328 V1.7.1 (2006-10)
EN 301 489-1 V1.8.1 (2008-04)
EN 301 489-17 V1.3.2 (2007-06)

EMC

EN 61000-6-2 (2005)

Safety Compliance

EN 60950-1:2001 and/or IEC 60950-1:2001 (1st Edition)
EN 60950-1/A11:2004 + Corrigendum:2004

1999/519/EC Council Recommendation

EN 50401 (2006)

DLR310W Specifications

Operating Frequency

License-free, 802.11bgn, 2.4 GHz ISM band

R&TTE (Europe)
FCC/CFR 47 part 15
IC (Industry Canada)

Included

Modem with internal antenna (3 dBm); power supply 12VDC with M12 connector; Ethernet cable with RJ45 to M12 connector; Quick Start, CD with User Manual

Wireless LAN Support

IEEE802.11b/g/n specification
Regulatory domain support
Roaming sequence list
Range up to 400 m

Infrastructure modes

Managed / Infrastructure (BSS)
Unmanaged / Ad-hoc (IBSS)

Configuration

Simple, press and hold button
Browser based configuration
SNMP
AT commands for advanced setup
Profinet optimizations

External input

9-30 V to trigger configurable event, e. g. roaming

Power

Input voltage range: 9-30 VDC

RF data transmission

Security: Supports WEP64, WEP128, WPA-PSK, WPA2-PSK, TKIP, CCMP (AES), LEAP, PEAP

Operational range

Distance: Up to 400 meters (1/4 mile) with built-in antenna and line-of-sight

Operating modes

Wireless Ethernet Bridge, wireless LAN Client

Connections

Power. M12

Ethernet Interface: M12 D-coded connector on modem (M12 to CAT5 cable included); 10/100BASE-T with Auto-MDIX

Protocols

TCP, UDP, LLDP, HTTP, ARP, DHCP Client / Server, DNS support, SNMP, User management and access control

Indicators

Status LEDs

Power, RF (Link Act), LAN (Link Act), Link Quality (4 levels)

Operating environment

Operating temperature: -30 to +65 °C

Storage temperature: -40 to +85 °C

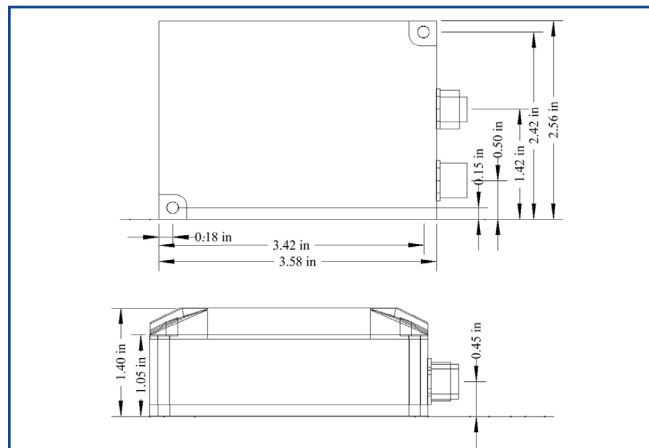
Enclosure

Standard. Plastic, IP65 washdown rating

Dimensions. 3.58 x 2.56 x 1.40 inches (9.0 x 6.5 x 3.56 cm);

Weight. 0.2 lb (0.09 kg)

DLR310W Dimensions



About DATA-LINC GROUP

Since 1988, Data-Linc Group has provided reliable communication solutions for industrial automation systems. Data-Linc Group, an alliance partner with most major PLC manufacturers including Rockwell Automation, Siemens, Schneider Electric, GE Fanuc, and Omron, as well as others, provides expert technical support and communications consultation. Data-Linc's industry proven RF technology has been successfully implemented in all major industries including automotive plants, paper mills, consumer goods manufacturing/packaging, steel mills, mines, oil and gas refineries, utilities and transportation systems. Data-Linc's line of industrial modems includes those for the European Union. Its wire and wireless products are available worldwide.

Alliances



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