

Digi XLR PRO™

Long-Range 900 MHz Industrial Radio

900 MHz industrial radios provide best-in-class range from 1 to 100 and interference immunity to enable data communications even in the noisiest RF environments.



Overview

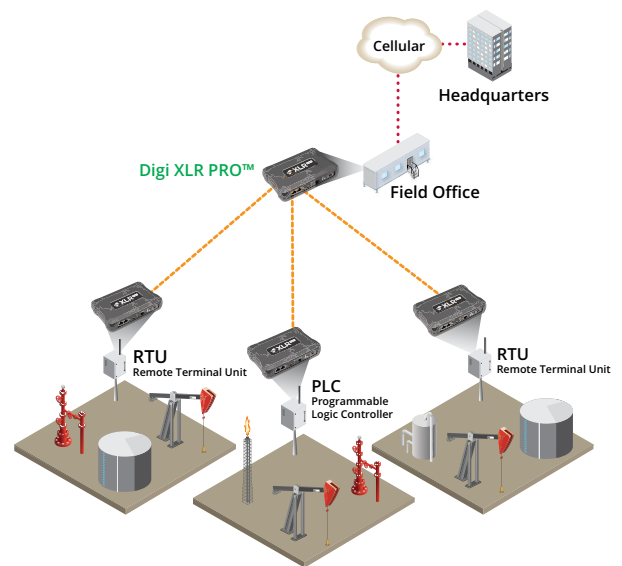
The Digi XLR PRO™ is a high performance, industrial grade long-range 900 MHz radio that offers reliable wireless communications for serial and Ethernet devices over long distances.

Digi's patented Punch2™ Technology enables the Digi XLR PRO to achieve industry-leading range from 1 to 100 miles and interference immunity that will punch through noisy RF environments. Flexible configuration options, including XCTU, local Web UI or Digi Device CloudSM, allow for quick configuration and deployment of multiple Digi XLR PRO radios in the field. Critical device management features include over-the-air firmware updates, device status information and centralized remote management using Device Cloud.

Packaged in a sturdy, aluminum-cast enclosure, the Digi XLR PRO is ideal for industrial applications including oil/gas, precision agriculture and utilities. Brackets are available for DIN rail and wall mounting.

Model	Description
XL9-UA	Digi XLR PRO Long-Range 900MHz Modem, Includes Accessories – US/Canada
XL9-U	Digi XLR PRO Long-Range 900MHz Modem, No Accessories – US/Canada
76000949	DIN Rail and Wall Mount Bracket Kit for Digi XLR PRO

Application Highlight



Features/Benefits

- Patented Punch2™ Technology enables industry-leading interference immunity
- Best-in-class range from 1 to 100 miles LOS
- Industrial aluminum-cast design with -40° C to +70° C temperature rating and Class 1 Division 2 certification
- Flexible data rates of up to 3.2 Mbps
- Simple configuration via XCTU, local WebUI or Device Cloud
- Scalable device management with Device Cloud
- Industry leading 4-Year Warranty



Specifications

Digi XLR PRO™

General	
Dimensions / Weight	18 x 13 x 3.8 cm (7.1 x 5 x 1.5 inches) / 0.68kg (1.5 lbs)
Ethernet Physical Layer	10/100BASE-T/TX
Ethernet Protocols	UDP/TCP, DHCP Client
Warranty	4 years
Performance	
Frequency Range	ISM 902 to 928 MHz
RF Data Rate	9.3 kbps to 3.2 Mbps
Transmit Power (Software Selectable)	Up to 30 dBm (highest power level)
Range - Line of Sight	1 - 100 Miles
Receiver Sensitivity	9.4 kbps: -120 dBm; 141 kbps: -112 dBm; 3.2 Mbps: -98 dBm
Receiver Selectivity	141 kbps: 55 dB (908 MHz to 922 MHz)
Throughput Data Rate (Software Selectable)	460.8 kbps (TCP/UDP Socket); 921.6 kbps (Serial RS-485); 460.8 kbps (Serial RS-232)
Networking and Security	
Modulation	Punch2™ Technology with Chirp Spread Spectrum
Supported Network Topologies	Point-to-point/Point-to-multipoint
Encryption	128-bit AES with 64-bit message integrity check
Power Requirements	
Supply Voltage	9 V to 26 V
Receive Current	300 mA @ 9 V; 230 mA @ 12 V; 120 mA @ 26 V
Transmit Current	950 mA @ 9 V; 840 mA @ 12 V; 400 mA @ 26 V
Environmental	
Operating Temperature	-40°C to +70°C
Regulatory Approvals	
Emissions/Immunity	FCC Part 15B, IC
Hazardous Locations	Class 1 Division 2 Groups A, B, C, D
Power	UL 60950-1, 2nd edition, 2011-12-19
Connectors	
Antenna	50 Ohm RP-TNC
Power Supply	Phoenix
Ethernet	(2) RJ45
Serial	(1) RJ45 - RS232/485
Configuration Port	Mini-USB (Coming Soon)
Mounting Options	DIN Rail Bracket, Wall Mount Bracket (Part#: 76000949)

You can purchase with confidence knowing that Digi is always available to serve you with expert technical support and our industry leading warranty. For detailed information visit www.digi.com/support.

91002926
A6/515

**Digi International
Worldwide HQ**
877-912-3444
952-912-3444
www.digi.com

**Digi International
France**
+33-1-55-61-98-98
www.digi.fr

**Digi International
Japan**
+81-3-5428-0261
www.digi-intl.co.jp

**Digi International
Singapore**
+65-6213-5380

**Digi International
China**
+86-21-50492199
www.digi.com.cn



www.digi.com

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com