Industrial Grade Radio Modems – Up to 40mi/64km Range

Zlinx Wireless Radio Modems

PRODUCT FEATURES

- RS-232/422/485, Serial communications
- Modbus compatible – no additional converters needed
- Ranges up to 40 miles (64 km)
- Heavy duty DIN mount industrial grade case and components
- Signal strength indicator aids trouble shooting
- 900 MHz, 868 MHz, 2.4 GHz Versions
- Wide temperature range -40º to 85º C
- Wide Range Power Input: 10 to 48 VDC or 18 to 30 VAC
- AES Encryption
- UL Class1/Division2 (Long Range Only)

Do you need to get a digital signal across a highway or river or to the other end of your big warehouse? Zlinx radio modems can do the job faster, easier, and less expensively than stringing cable. Easy plug-and-play set-up saves installation and maintenance time. These compact and rugged units are compatible with Modbus and Profibus so no additional converters are required.

Despite their low prices, these are not wimpy consumer or office grade products. Select the power level you need to punch through whatever distance and interference situations you encounter. Zlinx radio modems are built to handle the heat, cold, and environments of industrial operations.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
ZP24D-250RM-SR	Zlinx Radio Modem 2.4 GHz Short Range, RS 232/422/485
ZP9D-115RM-LR	Zlinx Radio Modem 900 MHz Long Range, RS-232/422/485
ZP9D-115RM-LR-AU	Zlinx Radio Modem 900 MHz Australian Version
ZP8D-24RM-LR*	Zlinx Radio Modem, 868 MHz, Long Range
RM-LR-KIT	900 MHz Radio Modem, Long Range Starter Kit
RM-SR-KIT	2.4 GHz Radio Modem Short Range Starter Kit
RM-LR824-KIT	868 MHz Radio Modem Kit

Kits contain: (2) radio modems, (2) power supplies, 24VDC 30W, and (2) 6ft/1.8m serial cables

World-wide.
Check with your local distributor for availability and options.
* European - Check wireless regulations/standards in your geographic area.

ACCESSORIES

DR-75-24	75W Power Supply
ZP9D-ANT1	900 MHz Spare Antenna
ZP24D-ANT1	2.4 GHz Spare Antenna
ZP9D-DIN1	Replacement DIN clip kit for ZP9D radio modems
ZP24D-DIN1	Replacement DIN clip kit for ZP24D radio modems
ZP9D-TB1	Replacement terminal block kit for radio modems. Contains complete set of terminal blocks and dip switch cover
DRPM25	Panel Mount Adapter

Industrial Grade Radio Modems
– Up to 40mi/64km Range
Zlinx Wireless Radio Modems

MODEL NUMBER:	ZP24D-250RM-SR	ZP8D-24RM-LR	ZP9D-115RM-LR
RF PROPERTIES			
Standard	IEEE 802.15.4	Proprietary Radio	Proprietary Radio
Range(with included antenna)	up to 300ft/91m indoor or 1mi/1.6km outdoor	Up to 24.9mi/40km outdoor	up to 3000ft/.91km indoor or 14mi/22.5km outdoor
Frequency	2.4 GHz	868 MHz	900 MHz
Transmit Power	100mW	316mW	1W
SOFTWARE			
Support	Win XP, Win 7		
Features	RSSI signal range test Modem emulation		
INCLUDED OMNI ANTENNA			
	2.1 dBi	3 dBi	3 dBi
ANTENNA CONNECTOR			
	External Reverse Polarity SMA male jack connector, omni directional (included with product)		
SERIAL PROPERTIES			
Baud	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400
Data Bit; Parity; Stop Bit	8 only; none only; 1 only	7, 8; None, even, odd, mark, space; 1, 2	7, 8; None, even, odd, mark, space; 1, 2
RS-232	DB9F DCE or Terminal Block (TX, RX, GND available on Terminal Block		
RS-422	Removeable terminal block, 2 or 4 wire - TX+, TX-, RX+, RX-, GND, 120 Ohm Dipswitch selectable		
RS-485	Removeable terminal block, 2 or 4 wire - TX+, TX-, RX+, RX-, GND, Bit wise, 120 Ohm Dipswitch selectable		
WIRELESS LINK FAILURE			
	Removeable terminal block, Open collector, dry contact, 40mA		
POWER			
Power Supply	10-48 VDC, 18-30 VAC, Removeable terminal block		
Power Consumption	2.0W max	6W max	5.0W max
DIMENSIONS			
	1.2W x 3.3D x 4.7H		
ENVIRONMENTAL			
Operating Temperature	-40° to 85ºC		
Storage Temperature	-40° to 85ºC		
Operating Humidity	10 to 90% non-condensing		
ENCLOSURE RATING			
Rating	IP30		
Mounting	DIN rail mount, 35mm		
LED Status	Power, Signal Strength, Wireless Data		
CERTIFICATIONS			
FCC	FCC Part 15 Class B		
CE	CISPR (EN55022) Class B EN61000-6-1 Generic Standards for Residential, Commercial, & Light Industrial EN61000-4-2-ESD, EN61000-4-3 RFI, EN61000-4-4 EFT, EN61000-4-5 Surge, EN61000-4-6 CI, EN61000-4-8 Power Frequency Magnetic, EN61000-4-11 Voltage Dips & Interruptions		
UL	UL, cUL	UL, cUL	UL, cUL, Class 1 Div 2 Groups A, B, C, D File E245458
RoHS directive (lead free)	Yes		