



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 -40° to 85° 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 |

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| 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 300ft/.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 85°C | | |
| Storage Temperature | -40° to 85°C | | |
| 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 CISPR (EN55022) Class B | | |
| CE | 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 | | |