

223 - 235 MHz Licensed Narrowband Wireless Modem

The L200 is a licensed, narrowband modem which operates in the 223 - 235 MHz frequency range. It is capable of long distance communication over 60 miles (100km). L200 radios offer the most robust communication over the longest distances.

223 - 235 MHz

Up to 5 Watts

Extended Range

Industrial Temperature

Low Latency

2x RS232/485/422 Ports



Enclosed Option

Features

- **User-selectable frequency from within wide operating band**
- **Communicates with virtually all PLCs, RTUs, and serial devices**
- **Industrial Grade - robust 19.2kbps wireless link rate**
- **Supports Point-to-Point, Point-to-Multipoint, Store and Forward Repeater**
- **Programmable transmit power: 100mW - 5W**
- **Programmable bandwidth: 12.5 or 25kHz**
- **32 bits of CRC, selectable Forward Error Correction with retransmission**
- **Separate diagnostics port - transparent remote diagnostics and online network control**
- **China SRTC Approval**



OEM Option

L200

Specifications

Frequency	223 - 235 MHz* * Band use may be limited by country or operating zone/regulatory body	Core Voltage	OEM 4.0 - 5.5VDC Enclosed 7 - 30VDC
Occupied Bandwidth	12.5kHz, or 25kHz	Connectors: OEM Antenna MCX Data 40 Pin OEM Header Enclosed Antenna N Female Data Female DB9 Diagnostic RJ-45	
Modulation Type	GMSK, RCFSK		
Error Detection	32 bits of CRC, ARQ		
Encryption	Optional (see -AES option)		
Range	60+ miles (100+ km) (dependant on link rate and line of sight)	Environmental	-22°F to 185°F (-30°C to +85°C) 5-95% humidity, noncondensing
Sensitivity	-116dBm @ 2400bps link rate -115dBm @ 4800bps link rate -114dBm @ 9600bps link rate	Weight	OEM Approx. 90 grams Enclosed Approx. 420 grams
Output Power	100mW - 5W	Dimensions	OEM Approx. 3.5" x 2.1" x .7" (89mm x 53.4mm x 17.8mm) Enclosed Approx. 4.755" x 3.75" x 1.75" (111mm x 95.3mm x 44.5mm)
Serial Interface	RS232/RS485/RS422		
Signals Interface	RxD1, TxD1, RTS, CTS, DCD, DSR, DTR, RxD2, TxD2, RSSI LEDs, Tx/Rx LEDs, Reset, Config, Wake-up, RSmode	Enclosure	Extruded Aluminum
Serial Baud Rate	300 bps to 230.4 kbps	Approvals	China SRTC Approval
Link Rate	1200 bps to 19.2 kbps	Order Options	
Operating Modes	Point-to-Point, Point-to-Multipoint, Store & Forward Repeater, Adhoc, Transparent	-AES	128 BIT AES Encryption (Requires export permit outside Canada & USA)
Diagnostics	Battery Voltage, Temperature, RSSI, and remote diagnostics		
Rejection	Excellent strong signal interference & rejection characteristics		

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