L200

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

Frequency	223 - 235 MHz* * Band use may be limited by country or operating zone/regulatory body
Occupied Bandwidth	12.5kHz, or 25kHz
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)
Sensitivity	-116dBm @ 2400bps link rate -115dBm @ 4800bps link rate -114dBm @ 9600bps link rate
Output Power	100mW - 5W
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
Serial Baud Rate	300 bps to 230.4 kbps
Link Rate	1200 bps to 19.2 kbps
Operating Modes	Point-to-Point, Point-to-Multipoint, Store & Forward Repeater, Adhoc, Transparent
Diagnostics	Battery Voltage, Temperature, RSSI, and remote diagnostics
Rejection	Excellent strong signal interference & rejection characteristics

Core Voltage		
	OEM	4.0 - 5.5VDC
	Enclosed	7 - 30VDC
Connectors:		
	OEM	
	Antenna	MCX
	Data	40 Pin OEM Header
	Enclosed	
	Antenna	N Female
	Data	Female DB9
	Diagnostic	RJ-45
Environmental		-22°F to 185°F (-30°C to +85°C) 5-95% humidity, noncondensing
Weight		
	OEM	Approx. 90 grams
	Enclosed	Approx. 420 grams
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)
Enclosure		Extruded Aluminum
Approvals		China SRTC Approval

Order Options

-AES	128 BIT AES Encryption (Requires export permit outside Canada & USA)

Contact Information

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