

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	_	4.0 - 5.5VDC 7 - 30VDC
Occupied Bandwidth	12.5kHz, or 25kHz	Anto Enclo Anto	OEM Antenna Data Enclosed	MCX 40 Pin OEM Header N Female Female DB9
Modulation Type	GMSK, RCFSK			
Error Detection	32 bits of CRC, ARQ		Antenna	
Encryption	Optional (see –AES option)		Diagnostic	
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		Approx. 90 grams Approx. 420 grams
Output Power	100mW - 5W	Dimensions OEN	OEM	Approx. 3.5" x 2.1" x .7"
Serial Interface	RS232/RS485/RS422	Enclosed		(89mm x 53.4mm x 17.8mm) Approx. 4.755" x 3.75" x 1.75" (111mm x 95.3mm x 44.5mm)
Signals Interface	RxD1, TxD1, RTS, CTS, DCD, DSR, DTR, RxD2, TxD2, RSSI LEDs, Tx/Rx LEDs, Reset, Config, Wake-up, RSmode	Enclosure		Extruded Aluminum
		Approvals		China SRTC Approval
Serial Baud Rate	300 bps to 230.4 kbps			
			Order	Options
Link Rate	1200 bps to 19.2 kbps	-AES		128 BIT AES Encryption (Requires export permit outside Canada & USA)
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			

Contact Information

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For more information please contact:

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410 - 480 MHz Licensed Narrowband Wireless Modem

The L400 is a licensed, narrowband modem which operates in the 410 - 480 MHz frequency range. It is capable of long distance communication over 60 miles (100km). L400 radios offer the most robust communication over the longest distances.

410 - 480 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: 6.25, 12.5, or 25kHz
- 32 bits of CRC, selectable Forward Error Correction with retransmission
- Separate diagnostics port transparent remote diagnostics and online network control



OEM Option

L400

Specifications

Frequency	410 - 480 MHz* * Band use may be limited by country or operating zone/regulatory body	Core Voltage		4.0 - 5.5VDC 7 - 30VDC
Occupied Bandwidth	6.25, 12.5kHz, or 25kHz	Connectors:	OEM	Mov
Modulation Type	GMSK		Antenna Data Enclosed	40 Pin OEM Header
Error Detection	32 bits of CRC, ARQ		Antenna	N Female Female DB9
Encryption	Optional (see –AES option)		Diagnostic	
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	-118dBm @ 2400bps link rate -117dBm @ 4800bps link rate -116dBm @ 9600bps link rate	Weight		Approx. 90 grams Approx. 420 grams
Output Power	100mW - 5W	Dimensions	OEM	Approx. 3.5" x 2.1" x .7"
Serial Interface	RS232/RS485/RS422		Enclosed	(89mm x 53.4mm x 17.8mm) Approx. 4.755" x 3.75" x 1.75" (111mm x 95.3mm x 44.5mm)
Signals Interface	RxD1, TxD1, RTS, CTS, DCD, DSR, DTR, RxD2, TxD2, RSSI LEDs, Tx/Rx LEDs, Reset, Config, Wake-up, RSmode	Enclosure		Extruded Aluminum
		Approvals		FCC Part 90 IC RSS119 CE
Serial Baud Rate	300 bps to 230.4 kbps			RoHS
			Order	Options
Link Rate	1200 bps to 19.2 kbps	-C1D2		Class 1 Div 2 (for use in hazard- ous environments)
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	-CE		CE Certification
Rejection	Excellent strong signal interference & rejection characteristics			

Contact Information



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