



Model 2070-6WIP

Spread Spectrum Radio

Description

The GDI Frequency Hopper line of spread spectrum radios provides an off-the-shelf, ready-to-install solution to a number of long-range communication applications. The product was designed from the ground up with emphasis on performance, reliability, and flexibility and has been qualified under the most stringent temperature, shock, and vibration.

Interference Blocking

Through the use of a proprietary hardware and software technology, The GDI frequency hopping radios are virtually immune to most RF interference (cell phones, pagers, other wireless systems, etc.).

Network Configurations

The GDI products can be set up for a wide variety of network configurations. These configurations include point-to-point, multi-point-to-point, "star" networks, and point-to-multipoint links.

FEATURES

- Low Power Consumption
- Up to 1.2 Mbps Wireless Link Rate*
- Master, Slave, Repeater operation in a single unit
- Serial Com Port, and 1 Ethernet Port
- Supports Point-to-Point, Point-to-Multipoint, Repeater, Peer-to-Peer
- Adjustable transmit power (100mW - 1W)
- Radius Server Support
- Full VLAN Support (for separate management and Data networking)
- User interface through local console, telnet, and web browser
- Network management capability with SNMP V1, V2, V3
- Local and remote wireless firmware upgrading through FTP
- QoS Routing on Serial, IP, or Logic Ports



Model 2070-6W Spread Spectrum Radio Specifications

GENERAL	2070-6W
Frequency	902-928 MHz
Spread Spectrum Type	Frequency hopping, DTS
Network Topology	Point-to-Point, Point-to-Multipoint, Store & Forward Repeater, Peer-to-Peer
Forward Error Detection	32 bits of CRC, ARQ
Serial Data Interface	RS-232/422/485
I/O Data Rate	300bps to 921kbps
Encryption	128-bit WEP/WPA (Canada & USA only. NOT AVAILABLE for export, see -AES)
Management	Local Serial Port Console, Telnet, WebUI, SNMP, FTP & Wireless Upgrade, RADIUS authentication, VLAN
Power Requirements	
Supply Voltage	Supplied by 2070
Transmit Power Consumption	300-500mA
Receive Current	110-145 mA
Standby Mode	35mA
Physical Properties	
Form Factor	Type 2070
Environmental	-40°C to 85°C
Antenna Connector	RSMA
Data Connector	RJ45 (Ethernet port)
RF Specifications	
Transmit Power	100 mW—1W (20-30dBm)
Receive Sensitivity	-108dBm@172kbps link rate -106dBm @ 230kbps link rate -97dBm @ 1.2Mbps link rate
RF Data Rate	Up to 1.3824 Mbps
Options	
-AES	128-bit AES Encryption (requires permit for export outside of Canada and USA.)
-AES256	256-bit AES Encryption (requires permit for export outside of Canada and USA.)

Specifications subject to change without notice

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