



6500

COMMPAK™ Model 6500 - Site Survey Kit

Features

- Simple & Effective Design Tool
- Accurate Radio Path Determination
- 900MHz & 2.4GHz Systems
- Quick & Simple Installation
- 20 Mile Range
- Battery Operated Kit
- Weather-proof Pelican Case
- Obtain the following results:
 - Return Signal Strength Indication
 - Fade Margin
 - Data Integrity Test
 - Spectrum Scan
- Remote Management & Programming
- Site Survey Kit includes*:
 - Mounting Hardware
 - AC Charger
 - DC Charging Cable
 - **ControlPAK™** Software
 - Host Radio
 - Remote Radio
 - Antenna Masts
 - RF Coaxial Cable
 - 2 Yagi Antennas
 - 1 Omni Antenna

* Laptop Computer Required

Description

The ENCOM Wireless Site Survey Kit provides a simple and accurate method of determining exact radio path signal strength values. The kit is battery operated and portable. No calculations, and no guess work. Actual on-site testing confirms the feasibility of your 900MHz or 2.4GHz Spread Spectrum Systems. Installed and fully operational in less than 30 minutes in order to minimize your engineering costs.

The entire Model 6500 Site Survey Kit is contained within a weather-proof Pelican Case for protection and portability. All wireless equipment required for a Site Survey or a temporary wireless installation is included. Obtain the following results: Signal Strength (dBm), Fade Margin (dB), S/N Ratio, Data Integrity (poll test), and a Complete Frequency Spectrum Scan.



Wireless Data Solutions

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Wireless Solutions for Traffic Monitoring and Control

COMMPAK™ Model 6500 Specifications

Radio Specifications	900MHz	2.4GHz
Technology:	FHSS ¹	FHSS ¹
Frequency Range:	902-928 MHz	2.400-2.4835 GHz
Output Power:	1mW, 10mW, 100mW, 1000mW	10, 50, 100, 250, 500, 750, 1000mW
Software Programmable:	Yes	Yes
Available Hop Patterns:	62	44
Number of RF Channels:	139	202
RF Channel Spacing:	200KHz	400KHz
Error Checking:	16 Bit-CRC	16 Bit-CRC
Error Correction:	Forward Error Correction	Forward Error Correction
Encryption:	32 Bit	32 Bit
Receiver Sensitivity / BER:	-110 dBm @ 10 ⁻⁶ BER	-110 dBm @ 10 ⁻⁶ BER
System Gain:	152 dBm	152 dBm
Antenna Port:	"N" Type F	"N" Type F
Certification:	FCC, Industry Canada	FCC, Industry Canada
Operating Modes:	Transceiver	Transceiver
System Configurations:	Point to Point, Point to Multipoint, Multipoint to Point, Multipoint to Multipoint	

¹Frequency Hopping Spread Spectrum Technology

General Specifications	900MHz	2.4GHz
Input Power:	6 - 30 VDC	6 - 30 VDC
Power Consumption:	Typical <100mA (standby), <125mA (100mW TX)	
Operating Environment:	-40°C to +80°C (-40°F to 176°F)	-40°C to +80°C (-40°F to 176°F)
Humidity:	95% Non-condensing	95% Non-condensing

Software Specifications	900MHz	2.4GHz
Radio Configuration:	Yes	Yes
Spectrum Analyzer:	Yes	Yes
Remote Diagnostics & Configuration:	Yes	Yes

Interface Specifications	900MHz	2.4GHz
Programming Port:	DB9-F	DB9-F
Serial Data Interface:	Standard	RS232 Asynchronous
	Optional	RS485 (2 or 4 wire)
Data Rate:	1200 - 115.2 Kbps	1200 - 115.2 Kbps
Data Format:	Parity	None, Odd or Even
	Data Bits	7 or 8
Data Transmission:	Key-by-data or RTS data input framing with programmable RTS/CTS time delay	Key-by-data or RTS data input framing with programmable RTS/CTS time delay

Indicators	900MHz	2.4GHz
Power:	Yes	Yes
Low Battery:	Yes	Yes

**ENCOM reserves the right to make changes to specifications of products described in this data sheet at any time without notice.

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