ETHERNET WIRELESS VIDEO COMMPAK IP

COMMPAK IP – WIRELESS ETHERNET/SERIAL TRANSCEIVER

COMMPAK IP – WIRELESS SERIAL AND VIDEO ETHERNET CONNECTIVITY

The COMMPAK IP gives traffic-control and maintenance personnel an easy, affordable wireless system to extend IP based and serial networks beyond existing infrastructure.

Acting as a wireless bridge, the COMMPAK IP provides Ethernet connectivity for multiple IP based traffic management devices. This is the perfect solution for the following applications:

- Extending an Ethernet system to additional intersections.
- Bringing back multiple data streams from traffic controllers, video cameras, and traffic detectors over a long range and reliable wireless data link.
- Serial contoller interconnect and streaming video over the same link.

Uses 900 MHz FHSS (Frequency Hopping Spread Spectrum) technology with a constant wireless link rate of 1.1 Mbps, the COMMPAK IP provides long-range communications with data rates that do not degrade over distances up to 20 miles.

In addition, the ENCOM COMMPAK IP can be used as a remote dual gateway with serial ports and high speed Ethernet connectivity operating simultaneously! This allows a simple migration of serial based devices to IP networks. This industrial grade Ethernet access point also gives on-street personnel in mobile units roaming access to the IP network, extending and enhancing their maintenance capabilities.

With ENCOM™, Wireless is Simple!

FEATURES

- Standard 1.1 Mbps wireless link rate
- Long-range 900 MHz FHSS technology for robust operation with 1 Watt output power
- Industrial Quality IP/Ethernet
- Secure communications with 128-bit data encryption
- Bandwidth to support multiple communications in one traffic cabinet simultaneously
- Support for serial based systems
- Up to 230.4 Kbps sustained data throughput on serial ports

SEAMLESS INTEGRATION • PLUG AND PLAY • QUICK INSTALLATION • EXPANDABLE

ETHERNET WIRELESS VIDEO COMMPAK IP

SPECIFICATIONS

RADIO SPECIFICATIONS

Frequency	902-928 MHz
Spread Spectrum	Frequency Hopping (FHSS)
Link Rate	1.1 Mbps, 345 Kbps
Hopping Patterns	Automatically Generated
Hopping Channels	50 /Pattern
Error Detection	32 bit CRC, ARQ
Data Encryption	128 bit WEP, 128 bit WPA, 256 Bit AES
Range	+20 miles (clear LOS)
Output power	100 mW to 1 W (20-30 dBm)
System Gain	156 dB (Yagi Antenna)
Serial Port	RS232: RxD TxD RTS, CTS, DCD, DSR, DTR RS422: Tx+, Tx- Rx+, Rx- RS485: 4 wire/ 2Wire Baud Rate: 300 bps to 230.4 Kbps
Dimensions	5.00"W x 2.00"H x 6.00"D

Operation System Requirement:	Microsoft Windows 98 SE, ME, 2000, XP
Security	- Administrator and user group protected - Password authentication
Ethernet	10/100 Base T, IEEE 802.3
Network Protocols	TCP, UDP, ARP, ICMP, DCHP, HTTP, SNMP, FTP Upgrade.
Management	Local, Serial Port Console, Telnet, WebUI, SNMP, FTP Upgrade
Diagnostics	VSWR, Battery Voltage, Temperature, RSSI, Remote Diagnostics
Operating Modes	Point-to-point, Point-to-Multipoint, Store & Forward Repeater, Peer to Peer
Rejection	Excellent Strong Signal Interference & Rejection Characteristics
Power Supply	9 VDC to 30 VDC
Current	(12VDC) Transmit 600 mA Receive 95 mA
Connectors	Antenna: Reverse Polarity TNC Mode Serial: DB9F Ethernet: Data RJ-45 Power: Locking Terminal Connector
Environment	-40°C to +75°C, 5-95% non-condensing
Weight	Approx. 420 grams (0.92 lbs)
Enclosure	Extruded Aluminium

SEAMLESS INTEGRATION • PLUG AND PLAY • QUICK INSTALLATION • EXPANDABLE

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

7, 640-42 Avenue NE
Calgary, AB Canada T2E 7J9
encomwireless.com

P: (403) 230-1122
F: (403) 276-9575
encom@encomwireless.com

ENCOM™ Wireless Data Solutions

Leading the Way in Wireless Communication for Traffic Applications