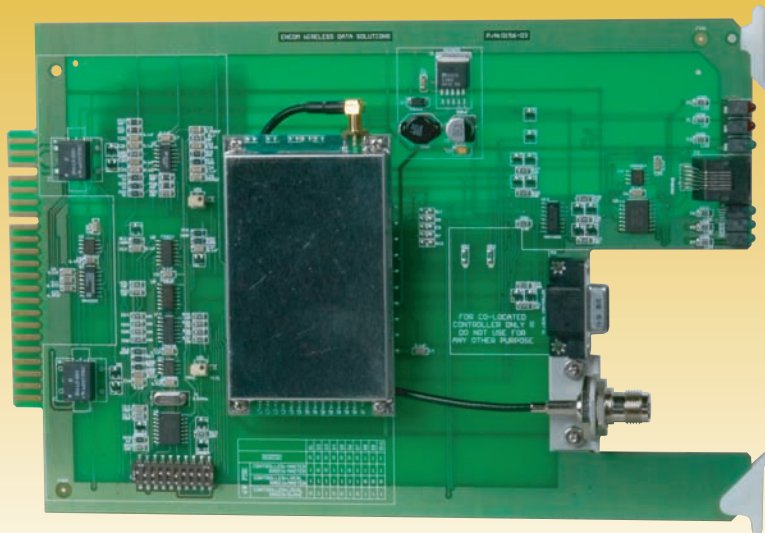


# SERIAL/FSK | WIRELESS INTERCONNECT 5170 / 5171



## MODEL 5170/5171 PLUGGABLE WIRELESS MODEM



### MODEL 5170/5171 PLUGGABLE WIRELESS MODEM DELIVERS

The ENCOM Model 5170/5171 is designed for use with 170 Traffic Controllers. This unique ENCOM Model is designed to plug directly into the 400 modem #1 slot in the 170 controller. This allows the ultimate in flexibility for controller interconnect applications and eliminates data cables and external power supplies. The ENCOM Model 5170/5171 Wireless Modem is convenient and easy to use and gives the options of being used as a Master, Remote or Repeater.

The ENCOM Model 5170 provides RS-232 communications only, while our 5171 allows for both RS-232 and FSK applications.

With ENCOM™, Wireless is Simple!

### FEATURES

- Plugs directly into Modem #1 slot in all 170 Traffic Controllers
- Communicates with all ENCOM 5000 Series radios.
- Configuration of the ENCOM Model 5170/5171 is simple and straight forward, with the included Windows™ based "ControlPAK" software. This allows "plug and play" setup for your specific controller.



**ENCOM**™  
Wireless Data Solutions

# SERIAL/FSK | WIRELESS INTERCONNECT 5170 / 5171

# SPECIFICATIONS

## RADIO SPECIFICATIONS

TECHNOLOGY:

FREQUENCY RANGE:

OUTPUT POWER:

SOFTWARE PROGRAMMABLE:

AVAILABLE HOP PATTERNS:

NUMBER OF RF CHANNELS:

RF CHANNEL SPACING:

ERROR CHECKING:

ERROR CORRECTION:

ENCRYPTION:

RECEIVER SENSITIVITY / BER:

SYSTEM GAIN:

ANTENNA PORT:

CERTIFICATION:

OPERATING MODES:

SYSTEM CONFIGURATIONS:

## 900MHZ

FREQUENCY HOPPING SPREAD SPECTRUM TECHNOLOGY (FHSS)

902-928 MHz

1mW, 10mW, 100mW, 1000mW

YES

62

139

200KHz

16 BIT-CRC

FORWARD ERROR CORRECTION

32 BIT

-110 DBM @10-6 BER

152 DBM

RP TNC-F

FCC, INDUSTRY CANADA

TRANSCEIVER

POINT TO POINT, POINT TO MULTIPOINT,  
MULTIPOINT TO POINT, MULTIPOINT TO MULTIPOINT.

## 2.4GHZ

FREQUENCY HOPPING SPREAD SPECTRUM TECHNOLOGY (FHSS)

2.400-2.4835 GHz

10, 50, 100, 250, 500, 750, 1000mW

YES

44

202

400KHz

16 BIT-CRC

FORWARD ERROR CORRECTION

32 BIT

-110 DBM @10-6 BER

152 DBM

RP TNC-F

FCC, INDUSTRY CANADA

TRANSCEIVER

POINT TO POINT, POINT TO MULTIPOINT,  
MULTIPOINT TO POINT, MULTIPOINT TO MULTIPOINT.

## GENERAL SPECIFICATIONS

INPUT POWER:

POWER CONSUMPTION:

OPERATING ENVIRONMENT:

HUMIDITY:

DIMENSIONS:

WEIGHT:

EDGE CONNECTOR:

## 900MHZ

CONTROLLER CARD EDGE SUPPLY

+12 VDC, 500mA MAXIMUM, -12 VDC, <1mA

-40°C TO +80°C (-40°F TO 176°F)

0-95% NON-CONDENSING

6.5"W X 1.0"H X 9.5"D

8 OZ

PRINTED CIRCUIT BOARD EDGE CONNECTOR CENTERS  
(44 PINS). TWO ROWS OF 22 BIFURCATED CONTACTS ON  
0.156" POLARITY KEYED BETWEEN PINS C & D, PINS H & J.

## 2.4GHZ

CONTROLLER CARD EDGE SUPPLY

+12 VDC, 500mA MAXIMUM, -12 VDC, <1mA

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PRINTED CIRCUIT BOARD EDGE CONNECTOR CENTERS  
(44 PINS). TWO ROWS OF 22 BIFURCATED CONTACTS ON  
0.156" POLARITY KEYED BETWEEN PINS C & D, PINS H & J.

## SOFTWARE SPECIFICATIONS

RADIO CONFIGURATION:

SPECTRUM ANALYZER:

REMOTE DIAGNOSTICS & CONFIGURATION

## 900MHZ

YES

YES

YES

## 2.4GHZ

YES

YES

YES

## INTERFACE SPECIFICATIONS

DATA INTERFACE:

DATA FORMAT:

DATA RATE:

## 900MHZ

RS232 ASYNCHRONOUS

NONE, ODD OR EVEN, 7 OR 8 DATA BITS

1.2 TO 115.2 Kbps

## 2.4GHZ

RS232 ASYNCHRONOUS

NONE, ODD OR EVEN, 7 OR 8 DATA BITS

1.2 TO 115.2 Kbps

## INDICATORS

TX DATA, RX DATA, PWR:

RSSI:

## 900MHZ

YES

YES

## 2.4GHZ

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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LEADING THE WAY IN WIRELESS COMMUNICATION FOR TRAFFIC APPLICATIONS