



## RFM 3010



### **The Easy Way to Add Third Party Devices to Your Spectrum One® Network**

Symbol Technologies' Spectrum One network is today's most popular spread spectrum wireless communications technology. Symbol's RF Modem 3010 enables Spectrum One users to leverage their current investment in third party RS-232 devices by easily adding them to the Spectrum One RF network.

The RFM 3010 allows up to three devices (one scanner and up to two serial devices) to be added to the network per modem.

For any Spectrum One user, the RFM 3010 opens a wide range of possibilities. Retailers can use it to connect remote printers to the network and print shelf tickets on the selling floor. In a supermarket,

it can connect a remote scale with the host price data base. Connecting it to the serial port of a cash register provides wireless POS functionality for non-PC based registers. Manufacturers can connect the RFM 3010 to automated machinery and eliminate the crowding and danger of clustered wires. In the warehouse, it can be attached to a monitor, printer and bar code reader to create a wireless workstation.

The RFM 3010 eliminates the need for multiple radio frequency networks to support multiple vendors' RF products by providing wireless connectivity to any RS-232 device. Multiple communication ports and PC programmability provide a limitless range of uses in retailing, warehousing and manufacturing.

Based on Symbol's Series 3000 family of proven data collection terminals (including the PDT 3110, PRC 3310 and LRT 3800), the RFM 3010 enables third party

RS-232 devices to become nodes on the Spectrum One network. The RFM 3010 can be programmed using Microsoft C and the Series 3000 Application Development Kit (ADK). The RFM 3010 provides one RS-232/RS-422 port, one additional RS-232 port, bar code scanner port, 256K NVM, 512K RAM, status LEDs and limited keyboard. AC or NiCad battery powered, it can be used in both portable and fixed station applications.

The RFM 3010: It's one more way Spectrum One proves its versatility as the only network you'll ever need, and it confirms Symbol's commitment to open architecture for full compatibility with a wide range of third party products. That's the kind of innovation you expect from Symbol Technologies, the world leader in bar code-based data management systems, with more than 2.5 million scanners and terminals installed.

# RFM 3010 Specification Highlights

## Physical Characteristics

Dimensions:	7.88 in. (20 cm) L x 3.5 in. (8.9 cm) W x 1.75 in. (4.4 cm) D
Weight:	17.7 oz. (502 gm) without batteries
ESD:	15 kV electrostatic discharge to all surfaces without loss of data in RAM memory
Humidity:	Up to 95% non-condensing
Drop:	Withstands up to 4-ft. (1.2 m) drop to concrete (1/8-inch tile covering)
Operating Temperature:	32° to 122° F (0° to 50° C)
Storage Temperature:	32° to 122° F (0° to 50° C)

## Performance Characteristics

Microprocessor:	80c88 style (8 MHz)
ROM:	System EPROM 128 KB (operating system of DOS, BIOS)
Non-volatile Memory:	256 KB for program and data storage in a protected area
RAM:	256 KB or 512 KB for data and/or program storage
Keyboard:	Four buttons (two under application control)
Display:	Six status LEDs
Real Time Clock:	Time and date stamping under software control
Interfaces:	DB25 port for full RS-232/RS-422 communications RJ-41 port for secondary RS-232 communications Optional DE-9 port for bar code laser (internal decode) or contact wand
Power:	AC wall cube. Optional rechargeable NiCad battery pack. Back-up power—super capacitor providing 10 minutes memory back-up.

## RF Data Communications

Network:	Spectrum One spread spectrum RF network
Output Power:	250 mw (approx.) transmitter output
Antenna:	External whip
Frequency:	902-928 MHz (spread spectrum modulation)
Spreading Code:	Multiple, software controlled
Data Rate:	60.6 kbps
Compliance:	Meets FCC part 15 (for U.S. use only)

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