

CodeXML™ Bluetooth® Modems



CodeXML M3 Bluetooth Modem



CodeXML M2 Bluetooth Modem

Features & Benefits

- Transmit and receive Bluetooth signals up to 100 meters (300ft)
- 128-bit Bluetooth Authentication and Encryption (CodeXML M3)
- 32-bit Encryption (CodeXML M2)
- User-defined pass-phrase generator and downloadable utility
- Bluetooth to Keyboard, USB or RS232 output (CodeXML M2 Bluetooth Modem has PS/2 cable option)
- Seamless integration with Code bar code readers
- Compatible with Windows NT, XP & 2000, Linux Applications, Programmable Logic Controller, Unix Applications, and legacy terminals
- Simple installation: Simply plug-in the modem and start transmitting wireless data
- CodeXML M3 Bluetooth Modem is compatible with three Code bar code readers simulatenously (CodeXML M2 Bluetooth Modem connects one Code reader at a time)

Overview

CodeXML Bluetooth® Modems use Bluetooth technology for secure and reliable communication between Code bar code readers and a host computer, or system, that supports USB Keyboard and RS-232 input (CodeXML M2 Bluetooth Modem also supports PS/2 cables).

CodeXML Bluetooth Modems are simple hardware solutions for customers who wish to enjoy the benefits of wireless data collection without modifying existing applications or installing software. Simply plug the modem into your computer and the unit is ready. There is no need to load any drivers (including Bluetooth drivers).

The modems supports Bluetooth specification 2.0 + EDR which is a proven, reliable method for replacing cables with secure wireless communications in a wide variety of devices. The features of adaptive frequency hopping and rapid creation of new connections provide unsurpassed efficiencies in wireless data operations when co-sited with 802.11x systems. The CodeXML M3 Bluetooth® Modem is compatible with three Code bar code readers simultaneously, and the CodeXML M2 Bluetooth Modem is compatible with one reader at a time.

By simply scanning the QuickConnect code on the modem label your reader will automatically connect to the computer or system to which it is assigned and can begin sending data in seconds.

CodeXML™ Bluetooth® Modem Specifications

General Characteristics

Modem Dimensions:	3.2" x 2.75" x 1" with 4 mounting drilled holes (2 on each side) Note: Use #4 tapered flathead screws when securing modem
Frequency:	2.4 GHZ - ISM band
Bluetooth Class:	Contains Class I Bluetooth Radio; Communications with Class I or II Bluetooth Radios
Emission Type:	Frequency hopping spread spectrum (FHSS GFSK)
RF Data Rate:	1 Mbps
Data Throughput:	115 kbps maximum
Power Source:	5V DC adapter included. USB continues current draw; Min 57 mA (connected); Max 100 mA (searching for connection)

Bluetooth Characteristics

Bluetooth Range:	Class II: 10 Meters (30 feet) - Line of sight Class I: 100 Meters (300 feet) - Line of sight
Antenna:	Embedded internal antenna
Bluetooth Specifications:	V2.0 + EDR; SPP (Serial Port Profile) - Slave
Security:	32-bit encryption key (CodeXML M2 Modem) 128-bit encryption key (CodeXML M3 Modem) User defined encryption key option

User Environment

Operating Temperature: 0° to 70° C / 32° to 158° F (commercial)

Connectors

CodeXML M2 Modem:	USB Keyboard, PS/2, RS232
CodeXML M3 Modem:	USB Keyboard and RS232
USB Connection:	Keyboard Input Settings Include: US English Keyboard (Leading 0; No Leading 0; or ctrl+char), Alt+Keypad Numbers, French Keyboard, German Keyboard, Japanese Keyboard
Standard DB9 Connection:	Default Baud Rate 9600 (9600-115,200 baud rate capable) Default Data Bits 8 (7 bits capable) Default Parity None (Even, Odd parity capable) Default Stop Bits 1 (2 stop bits capable) Hardware Flow Control None



code

14940 S Pony Express Rd. #500
Bluffdale, UT 84065

phone: (801) 495-2200 fax: (801) 495-2202

web: www.codecorp.com

Specifications subject to change without notice.