

CodeXML M3 Bluetooth® Modem



The CodeXML M3 Bluetooth® Modem features a 2.4 GHz wireless transceiver which enables reliable communication and Bluetooth® security between Code Readers and a host computer or system that supports Keyboard, USB or Serial input.

The CodeXML M3 Bluetooth® Modem is a simple hardware solution 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). CodeXML M3 Bluetooth® Modem firmware is easily upgradable.

The modem 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 Readers simultaneously.

Security set-up is quick and easy. The modem uses an 8-digit encryption key which can be user-defined. With every connection Bluetooth® specification 2.0 + EDR authenticates and encrypts data transmissions.

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. You can begin sending data in seconds. Compatible computer operating systems include:

- Windows NT, XP & 2000
- Linux Applications
- Programmable Logic Controller
- Unix Applications
- Legacy Terminals
- All Other Operating Systems



Contact a Code representative at (801) 495-2200, or by email to sales@codecorp.com to inquire about the CodeXML M3 Bluetooth® Modem.

Features & Benefits

Modem Features & Benefits:

- Bluetooth® to Keyboard, USB or Serial Output
- Seamless integration with Code Readers
- Simple Installation: Simply plug-in the modem and start transmitting wireless data
- Extended Range: Transmit and receive Bluetooth® signals up to 100 meters (300 feet)
- Mountable to working surfaces (four drilled holes in casing)
- Compatible with three Code Readers simultaneously

Security Features & Benefits:

- 128-Bit Bluetooth® Authentication and Encryption

General Specifications

Case Size	3.2" x 2.75" x 1" high 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	CodeXML M3 Bluetooth® Modem contains Class I Bluetooth Radio; Communicates with Class I, II or III Bluetooth Radios
Emission Type	Frequency hopping spread spectrum (FHSS GFSK)
RF Data Rate	1 Mbps
Data Throughput	115 kbps maximum
Operating Temperatures	0° to 70° C (commercial)
Power Source	5V DC adapter included. USB continuous current draw: Min 57 mAH (connected); Max 100 mAH (searching for connection)

Range (Distance)

100 Meters (300 feet) - Line of sight

Connectors

Note: CodeXML M3 Bluetooth® Modem supports different communication modes. Select necessary modem cable for enabling desired communication method:

Serial (DB9) Connection

* Power Supply required;
cable and power Supply
ordered separately

Standard DB9 connector	
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
Cable: CR2AG-C1 or CR2AG-C3	

USB Connection

* No Power Supply needed;
cable ordered separately

Standard USB connector for Keyboard Input Settings Include: US English Keyboard (Leading 0; No Leading 0; or ctrl+char), Alt+Keypad Numbers, French Keyboard, German Keyboard, Japanese Keyboard*

Cable (6 ft.): CR2AG-C0
Cable (12 ft.): CR2AG-C20

* For customized settings, minimum quantities and lead times may apply.

Antenna

Embedded (internal) antenna

Bluetooth Device

V2.0 +EDR ; SPP (Serial Port Profile) - Slave

Security

- 128-bit encryption key
- User-defined encryption key option
- CodeXML M3 Bluetooth® Modem QuickConnect Code feature pairs reader to host computer or system



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Specifications
subject to change
without notice.