

CodeXML Bluetooth Modem



The CodeXML Bluetooth Modem features a Bluetooth® 2.4 GHz wireless transceiver enabling reliable two-way communication and optional security between Code Readers (CR2 or CR3) and a host computer or system that supports Keyboard, USB or Serial input.

Simply plug the modem into your computer and the unit is ready. There is no need to load any drivers (including Bluetooth Manager drivers). The CodeXML Bluetooth Modem is a simple hardware solution for customers who wish to enjoy the benefits of cordless data collection without modifying existing applications or installing software. The radio firmware is easily upgradable.

The modem supports Bluetooth firmware V1.2, 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 provides unsurpassed efficiencies in wireless data operations when co-sited with 802.11b systems.

Security set-up is quick and easy. A utility generates a 32-bit key using a user-determined phrase. By downloading the keys directly to the reader and modem, keys are never wirelessly transmitted, thereby keeping your network secure.

Additional security is employed when using the QuickConnect features of the CodeXML Bluetooth Modem, pairing a reader to a single computer or system. 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 applications include:

- Windows NT, XP & 2000
- Linux Applications
- Programmable Logic Controllers
- Unix Applications
- Legacy Terminals
- All Other OS



* CodeXML Bluetooth Modem for use with CR2 or CR3 Readers

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)

Security Features & Benefits:

- 32-bit encryption key
- Symmetric data encryption
- Dynamic key generation protects against brute force attacks
- No wireless key exchange
- User-defined pass-phrase generator and downloadable utility

General Specifications



Case Size	2.5" x 2.75" x 1" high
Frequency	2.4 GHZ - ISM band
Bluetooth Class	Class I, II or III
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



Range (Distance)

100 Meters (300 feet) - Line of sight

Connectors

Note: CodeXML Modem supports all communication modes. Select necessary modem cable for enabling desired communication method:

Keyboard Wedge	Standard PS2 connector Settings Include: US English Keyboard (Leading 0; No Leading 0; or ctrl+char), Alt+Keypad Numbers, French Keyboard, German Keyboard, Japanese Keyboard or Custom* Cable: CR2A-C12 • No Power Supply needed - Cable ordered separately
Serial (DB9) Connection	Standard DB9 connector Default Baud Rate 9600 (300-115,200 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: CR2A-C1 or CR2A-C3 • Power Supply required- Cable and Power Supply ordered separately
USB Connection	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 or Custom* Cable: CR2A-C0 • No Power Supply needed- Cable ordered separately

Antenna

Embedded (internal) antenna

Bluetooth Device

V1.2; SPP (Serial Port Profile) - Slave

Security

- 32-bit encryption key
- Symmetric data encryption
- User-defined pass-phrase generation
- No wireless key exchange
- Downloadable utility simplifies security set-up
- CodeXML Modem's QuickConnect Code feature pairs reader to host computer or system

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

	phone: (888) 311-0775 web: www.bradydatacollection.com	Specifications subject to change without notice.
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