

code

Advanced Bar Code
Reader Manufacturer



Product Reference Guide

The specifications and availability of Code products and services are subject to change at any time without prior notice.

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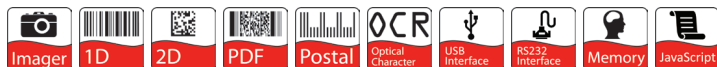
Code Reader 1000™

The Code Reader 1000 (CR1000) is a compact bar code reader that takes up limited workspace without compromising bar code reading performance. The patented dual-field optical platform of the CR1000, allows users to scan both wide bar codes and very small bar codes with the same device.

Features and Benefits:

- High speed, omnidirectional reading of 1D, 2D, Postal bar codes and OCR
- Dual field optics, both high density and wide field in the same unit
- Glare reduction technology for reading codes on shiny surfaces
- Manual or automatic triggering
- Bright, LED indicators and loud, programmable audible tone indicator
- Reads bar code reliably off cell phone screens
- Compatible with Code's Cortex™ software configuration utility
- Data editing and parsing with JavaScript
- Uses Code's new rapid disconnect Affinity™ cables
- Extremely low power consumption
- Disinfectant ready housing
- Standard warranty: 2 year

Applications: Healthcare, Mobile coupon or ticketing, Pharmacy, Patrol Vehicles, ATMs or Kiosks, Retail, Manufacturing





Code Reader 1200™

Code Reader 1200 (CR1200) is simple, fast and affordable, providing the power of digital imaging technology at an entry level price.

Features and Benefits:

- Durable overmolded housing and secured cable ensure drop-shock surviveability
- Ruggedized design with permanent lanyard hook
- Exceptionally 'smooth feel' trigger - three million activations
- Three modes of user feedback ensures 'good read': vibration motor provides tactile feedback in noisy or silent environments; visual feedback with multi-color LED; and audible tones
- Reads and decodes all symbologies including: 1D, 2D, Data Matrix, PDF417 and 30+ others
- Firmware is field upgradeable
- JavaScript Application Development Suite allows program development to prepare captured data for integration with enterprise software
- Two cabling options: USB or RS232
- Standard warranty: 5 years

Applications: Retail, ID Scanning, Forms Processing, Government, Work in Process, Manufacturing



Code Reader 1400™

The Code Reader 1400™ (CR1400) is a compact, rugged, reader that features a high performance scanning, and intuitive targeting that makes reading bar codes extremely fast, reliable, and more affordable than ever.

Features and Benefits:

- High speed, omnidirectional reading of 1D, 2D, Postal bar codes and OCR
- Dual field optics, both high density and wide field in the same unit
- Glare reduction technology for reading codes on shiny surfaces
- Manual or automatic triggering
- 3 programmable indicators: vibration mode, LED and tone
- Available with a stand option
- Reads bar code reliably off cell phone screens
- Compatible with Code's Cortex™ software configuration utility
- Data editing and parsing with JavaScript
- Uses Code's rapid disconnect Affinity™ cables
- Extremely low power consumption
- Disinfectant ready, IP54 housing
- Standard Warranty: 5 years

Applications: Healthcare, Mobile coupon or ticketing (event, airline, cinema, etc), Pharmacy, Patrol Vehicles, Retail, and Manufacturing





Code Reader 2.0™

The Code Reader 2.0 (CR2) is a lightweight bar code reader with a unique ergonomic design that can be customized to further enhance use-case functionality.

Features and Benefits:

- Dual field optics, both short range and long range in the same reader
- Lightweight, ergonomic, fully-mobile modular design (hand held, handle, presentation stand)
- User feedback with vibration and/or audible tones
- Equally efficient in batch, cabled or wireless modes
- Reads all linear, stacked and 2D matrix symbologies
- Data output via Bluetooth®, USB, RS232, PS/2, or Keyboard options
- Powerful data management capability via JavaScript
- Firmware is field upgradeable
- Accessories available to further ruggedize reader for high-volume use scenarios
- Standard warranty: 3 years

Applications: Long Range Scanning Applications, Manufacturing, Warehouse





Code Reader 2500™

With new high-performance bar code reading technology the Code Reader 2500 (CR2500) is the most advanced mobile bar code reader on the market today.

Features and Benefits:

- Dual field optics, both high density and wide field in the same reader
- Reflection and glare reducing illumination
- Lightweight, ergonomic, fully-mobile modular design (hand held, handle, presentation stand)
- Rapid battery replacement, multiple battery formats and charging options
- User feedback with vibration and/or audible tones
- Unequaled performance on rounded, curved, and shiny surfaces
- Reads all linear, stacked and 2D matrix symbologies
- Withstands multiple drops to concrete from 6'
- High speed digital image capture
- Powerful data management capability via JavaScript
- Firmware is field upgradeable
- Multicolor LEDs with optimal focus and FOV indicator
- FIPS Compliant option available
- Standard warranty: 3 years



Applications: Healthcare, Manufacturing, Warehouse, Scanning highly reflective bar codes





Code Reader 3.0™

The Code Reader 3.0 (CR3) established a new benchmark for Portable Data Terminals and Hand Held Computers by combining the industry's best imaging technology with a graphic display and rugged keyboard to create the smallest and lightest full-featured bar code reading terminal on the market.

Features and Benefits:

- Dual field optics, both short range and long range in the same reader
- Lightweight, ergonomic, fully-mobile modular design (hand held, handle, presentation stand)
- Rapid battery replacement, multiple battery formats and charging options
- User feedback with vibration and/or audible tones
- Reads all linear, stacked and 2D matrix symbologies
- High speed digital image capture
- Powerful data management capability via JavaScript
- Customize design menus, input screens, and data collection essentials with ease
- Firmware is field upgradeable
- Standard warranty: 2 years

Applications: Long Range Scanning Applications, Inventory Control, Shipping/Receiving, Tracking



Code Reader 3500™



With new high-performance bar code reading technology the Code Reader 3500 (CR3500) is the most advanced mobile bar code reader on the market today.

Features and Benefits:

- Dual field optics, both high density and wide field in the same reader
- Reflection and glare reducing illumination
- Lightweight, ergonomic, fully-mobile modular design (hand held, handle, presentation stand)
- Rapid battery replacement, multiple battery formats and charging options
- User feedback with vibration and/or audible tones
- Unequaled performance on rounded, curved, and shiny surfaces
- Over 10 MB of batch data and JavaScript memory
- Reads all linear, stacked and 2D matrix symbologies
- Withstands multiple drops to concrete from 6'
- Powerful data management capability via JavaScript
- Firmware is field upgradeable
- Multicolor LEDs with optimal focus and FOV indicator
- Standard warranty: 2 years



Applications: Age Verification, Government/Military, Inventory Control, Shipping/Receiving, Tracking, Scanning highly reflective bar codes, Event Tracking, Event Admissions



Code Reader 4100™

The Code Reader 4100 (CR4100) is the perfect combination of a leading edge 2D optical bar code reading platform and a high performance mobile computer.

Features and Benefits:

- Dual field optics, both high density and wide field in the same reader
- Reflection and glare reducing illumination technology
- Integrated 2D imaging engine
- Dedicated, high-speed microprocessor for decoding bar codes
- Windows® Mobile 6.5 Operating System
- Remote management ready
- QWERTY keypad
- Dark gray or healthcare white color options
- WiFi 802.11 a/b/g
- Bluetooth® 2.0 – Class II
- IP65 rated
- WWAN (HSDPA) (dark gray unit only)
- Standard Warranty: 3 years

Applications: Healthcare, Government/Military, Inventory Control, Shipping/Receiving, Tracking





Actual Size: 0.81" W x 0.57" D x 0.47" H

Code Reader 8000™

The Code Reader 8000 (CR8000) is a high performance and patented optical platform, miniaturized into an optical scan engine. For integration, a variety of mounting options are available including: tabs, blind through holes, and mounting brackets for both the scan engine and the decode board.

Features and Benefits:

- Dual field optics, both high density and wide field in the same engine
- World-class decoding platform
- Glare reduction technology
- Attachable illumination blocks for different applications
- Bright LED aiming mechanism
- Compact size fits any application
- Simple to setup and configure
- Easy-to-use JavaScript parsing
- Free Software Developer's Kit
- Built in TTL RS232 or USB interface
- Standard warranty: 1 year

Applications: Medical Devices, ATMs, Price-lookup, Lottery, Age Verification, Direct Parts Marking





Accessories

Universal Reader Stand:

- Lightweight and sturdy base
- Gooseneck post for adjusting the reader to the desired height and angle
- Modular design allows for a product specific holder to be mounted at the top of the gooseneck
- Durable, plastic construction
- Easy to unpack and assemble in under 1 minute
- For use with the CR1000, CR1200 and CR1400 (Stand pictured is for the CR1000 & CR1400)



Handles & Battery Handles:

- Extended trigger life: three million activations
- Threaded screw options to secure reader to handles
- Readers 'snap' to handle using battery compartment on the reader
- Durable over-molded housing improves drop-shock surviveability of the reader
- Enhanced protection to reader window and illumination LEDs
- Reader windows and LEDs are protected
- Accommodates optional lanyard hook attachment to reader
- Charge battery handles with UMC or Battery Handle Charger
- For use with the CR2,CR2500, CR3, and CR3500

Accessories



Universal Mountable Charger:

- Slim design with small footprint for mobile carts and small countertops
- Drain holes minimize potential damage from accidental liquid spills
- LED charging status indicator
- Hands-free reading functionality while in charging mode (Requires custom JavaScript)
- User-friendly, angled-downward design avoids glare in user's eyes
- Optional weighted base
- Charge time approximately 2-3 hours
- For use with Battery Handle unattached or attached to the CR2, CR2500, CR3 and CR3500
- Dimensions: UMC: 4.0"H x 2.0"W x 3.5"L Base: 0.1"H x 3.9"W x 5.8"L



Single Bay Battery Charger:

- Charges all palm format Code bar code readers
- Charges readers without having to remove protective elastomer boot
- Charging indicator LEDs
- Charge time approximately 2-3 hours
- For use with Battery (B2) attached to the CR2, CR2500, CR3 and CR3500
- Dimensions: 4.4"L x 3.0"W x 4.2"H



Accessories

Two-Bay Battery Charger:

- Charges two batteries simultaneously
- Modular design allows for charging either a battery or bar code reader
- Charge indicator LEDs
- Compatible with CR2 and CR2500 bar code readers
- Charge time approximately 4 hours
- For use with Battery (B2) unattached or attached to the CR2 and CR2500
- Dimensions: 4.4"L x 3.0"W x 4.2"H

Battery Handle Charger:

- Desk or wall mount option
- Includes a CodeXML® Bluetooth® Modem housing compartment
- BH1 charging time approximately 3 hours
- BH2 charging time approximately 6 hours
- Compatible with CR2 and CR3 handled bar code readers
- For use with Battery Handle unattached or attached to the CR2, CR2500, CR3 and CR3500
- Dimensions: 9.1"L x 3.4"W x 2.0"H

Protective Covers:

- Basket weave nylon or shock-absorbing elastomer
- Extends the life of the reader by protecting it from liquids and drops
- Available for CR2, CR3, CR2500 and CR3500 bar code readers

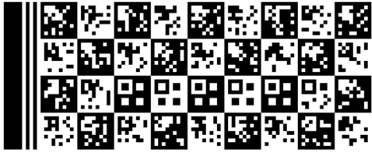


Accessories

CodeXML® Modems:

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





GoCode® Bar Code Symbology

GoCode® is a miniature 2D bar code symbology developed by Code Corporation. Developed to fit within a line of text, GoCode® features a multi-dimensional, adaptable matrix pattern that may be reproduced on virtually any surface. Companies may utilize GoCode® as their own proprietary mark. It has many significant advantages over common linear barcodes and other 2D symbols:

1. **Security** - GoCode® is a proprietary symbol and is utilized by companies that benefit from having their own private bar code. GoCode® can only be decoded by Code bar code readers and is a perfect solution for counterfeiting problems or for applications requiring advanced security. GoCode® may also be created with user authentication features so critical or sensitive data may only be read by approved bar code readers.
2. **Readability** - GoCode® outperformed all other 2D symbols in USAF conducted harsh environment testing. The multi-resolution matrix allows for critical data to be retrieved even from the most damaged symbols. GoCode® also uses sophisticated error correction algorithms to keep intact 100% of the data, even if more than half of the symbol is damaged.
3. **Size** - GoCode® uses a proprietary, ultra efficient data compression technology that enables it to be the only 2D symbol that can operate within the space constraints of common text.
4. **Density** - If your application has size restraints, GoCode® is the most customizable symbol and will hold more data at small sizes than any 2D symbol.



CodeXML® Router

The CodeXML® Router-Bluetooth® Edition software was designed to work with Code bar code readers connected via Bluetooth radio or cable (USB or RS232). CodeXML® Router software has two (2) primary functions:

- 1. Easy Application Interfacing** - CodeXML® Router-BE allows you to easily connect a Code bar code reader to serial or keystroke applications. If your application requires keystroke data, CodeXML® Router will map data from a physical or virtual serial port to the keyboard port. If you are sending data from a Code bar code reader to a Bluetooth adapter connected to a host computer. You may route the data to any Windows or Pocket PC application that accepts keystroke data (e.g., Word, Excel or Notepad). CodeXML® Router-BE supports all Windows keyboard mapping options, ASCII characters, and function keys.
- 2. Reliable Bidirectional Data Transfer** - If your application requires data packet confirmation, CodeXML® Router-BE will monitor each radio communication to ensure that data is not lost inadvertently, even if a Code bar code reader is taken out of range or loses radio communication.



CodeOne Service Plans

Features and Benefits of CodeOne Service Plans:

- Reduce support costs
- Comprehensive coverage
- End-to-end support services
- Rapid RMA turnaround time
- Diagnostic product evaluation
- and most of all....savings, time and peace of mind

CodeOne Service Plans:

- [CodeOne Standard Service Plan](#) at no additional cost to you, offers a standard warranty period
- [CodeOne Plus Service Plan](#) enhances the security that comes with CodeOne's standard warranty. The Plus Service Plan offers a 7-day turnaround, extends the warranty period by a year, and offers a variety of discounts on Code products and services
- [CodeOne Premier Service Plan](#) offers a 1-day turnaround, extends the warranty period by two years, offers replacement readers for lost or damaged readers at deep discounted rates, and offers a greater savings on Code products and services

Code Bar Code Reader Comparison Chart

Features	Wired			Wireless	
	CR1000	CR1200	CR1400	CR2	CR2500
Reads 1D bar codes	•	•	•	•	•
Reads 2D bar codes	•	•	•	•	•
Anti-glare illumination technology	•		•		•
Modular design				•	•
Audible and LED 'good read' feedback	•	•	•	•	•
Vibration 'good read' feedback		•	•	•	•
Dual field optics (wide & high-density fields)	•		•		•
Dual field optics (near & far fields)		•		•	
Disinfectant ready plastics	•	•	•	•	•
Walk-away prevention				•	•
Laser targeting		•		•	
LED targeting	•		•		•
Wireless via Bluetooth®				•	•
WiFi					
Wired via RS232 or USB connection	•	•	•	•	•
CodeOne Service Plan option	•	•	•	•	•
Windows® Operating System					
FIPS compliant option					•

Code Bar Code Reader Comparison Chart

Wireless		Windows Mobile	Scan Engine
CR3	CR3500	CR4100	CR8000
			
•	•	•	•
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