code®
ADVANCED BARCODE READERS

CODE READER™ 2600 XHD

Sleek and efficient, the next-generation barcode reader for manufacturing.

The wireless, Bluetooth-enabled CR2600 XHD marries a powerful optical platform with a rugged, ergonomic package to deliver high-performance barcode reading for extreme environments. A built-in macro lens and enhanced optical firmware generate an extremely high density field to optimize first-pass read rates of 1D, 2D and laser-etched marks as small as 2 mil, even from damaged or low-contrast marks in challenging applications. Available in both palm and handheld configurations, the CR2600 XHD features a durable quick-release, rechargeable battery cartridge and a fuel gauge indicator to accurately measure charge level and battery life for a truly mobile barcode reading solution.

A smart, connected reader that fits right into your new or existing system.

Equipped with versatile programming options, the CR2600 XHD can decode and format data on the fly for seamless integration with a variety of workflows. Bluetooth capability makes it easy to connect to a variety of devices: from PC's to mobile devices to printers. With so many options and industry-leading performance on the smallest barcodes out there, the power and efficiency of the CR2600 XHD can start saving you money today.

Features & Benefits

- High speed, omnidirectional reading of 1D, 2D and laser-etched barcodes

- Extreme high density field for reading barcodes as small as 2mil.

- Glare reduction technology for reading barcodes on shiny and mirrored surfaces

- Lightweight, ergonomic models in palm and handled configurations

- Durable, quick-release rechargeable battery cartridges with LED fuel status indicators

- User feedback with vibration, audible tones and LED

- Multiple programmable buttons for customized work flow processes

- Compatible with Bluetooth supported Android, iOS, and Windows mobile devices and tablets

- Easy to clean, disinfectant ready, IP65 housing

- Paging button to assist in locating misplaced readers

- Data editing and parsing versatility with JavaScript

- Compatible with Code's CortexTools® software configuration utility

- CodeOne extended warranty service plans

Palm configuration with charging station

Applications

Automotive, Semiconductor, Electronic Assembly, Pharmaceutical, Medical and Consumer Product industries

Features at a Gance

| IMAGER | 1D | 2D | PDF | POSTAL | CortexRM™ |
| JAVASCRIPT | USB | RS232 | BLUETOOTH | MEMORY | SCREEN & KEYPAD |

Physical Characteristics

Palm Reader Dimensions	1.1" H x 5.1" L x 2.0" W (28mm H x 130mm L x 51mm W)
Handle Reader Dimensions	5.3" H x 5.1" L x 2.0" W (135mm H x 130mm L x 51mm W)
Charging Station Dimensions	2.4" H x 4.5" L x 3.3" W (60mm H x 115mm L x 83mm W)
Palm Reader Weight	4.5 oz (128 g)
Handle Reader Weight	6.0 oz (170.5 g)
Battery Weight	1.7 oz (48 g)
Charging Station with Embedded Modem Weight	5.4 oz (153 g)
Charging Station without Embedded Modem Weight	4.9 oz (139 g)
IP Rating	65

User Environment

Operating Temperature	-20° to 55° C / -4° to 131° F
Storage Temperature	-30° to 65° C / -22° to 150° F
Humidity	5% to 95% non-condensing
Decode Capability	**1D:** Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar (RSS), Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN
	Stacked 1D: GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417
	2D: Aztec Code, Code 49, Codablock F, Data Matrix, Han Xin, MaxiCode, Micro QR, QR Code
	Proprietary 2D: GoCode® (Additional License Required)
	Postal Codes: Australian Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Planet, Postnet, UK Royal Mail, UPU ID-tags
	Direct Part Marks: Barcodes applied by laser-etching
Image Output Options	Formats: JPEG or PGM
Field Selection	High Density or Wide Field
Time Stamp	Interval Logging
Data Editing	JavaScript

Working Ranges

CR2600 XHD Performance		
Test Barcode	**Min Inches (mm)**	**Max Inches (mm)**
3 mil Code 39	1.1" (29 mm)	2.1" (54 mm)
5.8 mil PDF417	0.9" (24 mm)	2.3" (59 mm)
7.5 mil Code 39	1.9" (50 mm)	2.8" (73 mm)
10.5 mil GS1 DataBar	1.2" (30 mm)	3.4" (86 mm)
13 mil UPC	1.8" (46 mm)	3.8" (98 mm)
3.3 mil DM	1.0" (26 mm)	1.7" (44 mm)
4.2 mil DM	0.9" (24 mm)	1.8" (46 mm)
5 mil DM	0.9" (24 mm)	2.0" (53 mm)
6.3 mil DM	0.8" (22 mm)	2.2" (56 mm)
10 mil DM	0.8" (22 mm)	2.7" (69 mm)
20.8 mil DM	0.8" (22 mm)	4.2" (107 mm)

Note: Working ranges are a combination of both the wide and high density fields. All samples were high quality barcodes and were read along a physical center line at a 10° angle. Default AGC settings were used. Accuracy= +/- 10%.

Performance Characteristics

Field of View	High Density Field: 30° horizontal by 20° vertical Wide Field: 50° horizontal by 33.5° vertical
Focal Point	Approximately 100 mm
Sensor	CMOS 1.2 Megapixel (1280 x 960) gray scale
Optical Resolution	High Density Field: 960 x 640 Wide Field: 960 x 640
Pitch	± 60° (from front to back)
Skew	± 60° from plane parallel to symbol (side-to-side)
Rotational Tolerance	± 180°
Print Contrast Res.	25% absolute dark/light reflectance differential, measured at 650 nm
Target Beam	Single, blue targeting bar
Ambient Light Immunity	Sunlight: Up to 9,000ft-candles/96,890 lux
Shock	Withstands multiple drops of 6' (1.8 Meters) to concrete
Power Requirements	Reader @ 4.2vdc (mA): Typical and Peak = 362 mA; Idle = 80 mA; Sleep = 20 mA
	Charging Station with Embedded CodeXML® Modem @ 5vdc (mA): USB max charge rate = 555 mA USB trickle charge rate = 165 mA
	Charging Station with External CodeXML® M3 Modem @ 5vdc (mA): USB max charge rate = 514 mA USB trickle charge rate = 125 mA
Number of Scans	Up to 50,000 scans per charge
Memory Capacity	128MB Flash ROM, 32MB RAM
Bluetooth Modem	RS232, USB.2.0 (Generic HID, HID Keyboard, Virtual COM Port)
Communication Interfaces Operational Modes	Bluetooth (Class II)
Warranty*	3 years

Accessories

- Battery Cartridges
- Charging Station
- Charging Station with Embedded CodeXML® Modem
- CodeXML® M3 Modem (external)
- CodeXML® Router Software

- USB Charging Cable, US, Europe/South America, UK Power Supplies
- Various Cable Options Available. Visit www.codecorp.com/cables.php for a list of compatible cables
- Software Development Kits

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Web: www.codecorp.com