



# 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<sup>®</sup> 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



# CODE READER™ 2600 XHD SPECIFICATIONS

## Physical Characteristics

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

## User Environment

<b>Operating Temperature</b>	-20° to 55° C / -4° to 131° F
<b>Storage Temperature</b>	-30° to 65° C / -22° to 150° F
<b>Humidity</b>	5% to 95% non-condensing
<b>Decode Capability</b>	<p><b>1D:</b> BC412, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar, 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</p> <p><b>Stacked 1D:</b> Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417</p> <p><b>2D:</b> Aztec Code, Data Matrix, Data Matrix Rectangular Extension, Grid Matrix, Han Xin, Maxicode, Micro QR Code, QR Code, QR Model 1</p> <p><b>Proprietary 2D:</b> GoCode® (Additional License Required)</p> <p><b>Postal Codes:</b> Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Planet, Post-net, UK Royal Mail, UPU ID-tags</p> <p><b>Direct Part Marks:</b> Barcodes applied by laser-etching</p>
<b>Image Output Options</b>	Formats: JPEG or PGM
<b>Field Selection</b>	High Density or Wide Field
<b>Time Stamp</b>	Interval Logging
<b>Data Editing</b>	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: 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

<b>Field of View</b>	High Density Field: 30° horizontal by 20° vertical Wide Field: 50° horizontal by 33.5° vertical
<b>Focal Point</b>	High Density Field: 25mm Wide Field: 35mm
<b>Sensor</b>	CMOS 1.2 Megapixel (1280 x 960) gray scale
<b>Optical Resolution</b>	High Density Field: 960 x 640 Wide Field: 960 x 640
<b>Pitch</b>	± 65° (from front to back)
<b>Skew</b>	± 60° from plane parallel to symbol (side-to-side)
<b>Rotational Tolerance</b>	± 180°
<b>Symbol Contrast</b>	15% minimum reflectance difference
<b>Target Beam</b>	Single, blue targeting bar
<b>Ambient Light Immunity</b>	Sunlight: Up to 9,000ft-candles/96,890 lux
<b>Shock</b>	Withstands multiple drops of 6' (1.8 Meters) to concrete
<b>Power Requirements</b>	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
<b>Number of Scans</b>	Up to 50,000 scans per charge
<b>Memory Capacity</b>	128MB Flash ROM, 32MB RAM
<b>Bluetooth Modem</b>	RS232, USB.2.0 (Generic HID, HID Keyboard, Virtual COM Port)
<b>Communication Interfaces</b>	Bluetooth (Class II)
<b>Operational Modes</b>	
<b>Warranty</b>	www.codecorp.com/warranty

## 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](http://www.codecorp.com/cables.php) for a list of compatible cables
- Software Development Kits



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REVOLUTIONIZING BARCODE READING

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