

# Code Reader™ 2600



## Features & Benefits

- Lightweight, ergonomic models in palm and handled configurations
- Durable, quick-release rechargeable battery cartridges
- Battery status LED indicators with fuel gauge
- User feedback with vibration, audible tones and LED
- Patented dual field optics, both high density and wide field in the same unit
- Patented glare reduction technology for reading codes on shiny surfaces
- High speed, omnidirectional reading of 1D and 2D bar codes
- Unequaled performance on rounded, curved and shiny surfaces
- Multiple programmable buttons for customized work flow processes
- Easy to clean, disinfectant ready, IP65 housing
- Paging button to assist in locating reader (Charging Station with embedded CodeXML® modem option only)
- Reads bar codes on cell phone screens
- CortexRM™ Remote Management ready
- Powerful data management capability with JavaScript



\*RS232 is only available as CodeXML® M3 Modem Communication Interface Option

## Overview

The Code Reader™ 2600 (CR2600) is the next generation of bar code readers in Code's product line. The CR2600 combines the patented feature rich technologies Code has become known for, in a new ergonomic design that sets a new standard in bar code reading technology.

The CR2600 is an easy to use, lightweight, and high performing bar code reader that reads all 1D and 2D bar code symbologies. The CR2600 is available in both palm and handled configurations, and feature durable quick-release, rechargeable, battery cartridges. The newly designed battery cartridges accurately measure charge level and display battery life using a 4 LED fuel gauge indicator, with a push of a button.

The CR2600 Charging Station charges both palm and handled bar code reader configurations and is available both with, and without, an embedded CodeXML® Modem. Embedded modem Charging Stations feature a paging button to assist in locating readers.

The disinfectant ready housing and IP65 sealing of the CR2600 reader prevents plastic degradation and securely protects electronics and optics. The CR2600 is both rugged and durable an ideal for applications in 24/7, 365, high traffic environments.

With an aggressive scan engine, the CR2600 decodes bar codes faster and features patented technologies including dual field optics and glare reducing technology. The result is unequalled, unmatched bar code reading performance.



Battery status LED indicators with fuel gauge

# Code Reader™ 2600 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. (128.0 g)
<b>Handle Reader Weight:</b>	6.0 oz. (170.5 g)
<b>Battery Weight:</b>	1.7 oz. (48.0 g)
<b>Charging Station with Embedded Modem Weight:</b>	5.4 oz. (153.0 g)
<b>Charging Station without Modem Weight:</b>	4.9 oz. (139.0 g)

## 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>	Approximately 100 mm
<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>	± 60° (from front to back)
<b>Skew:</b>	± 60° from plane parallel to symbol (side-to-side)
<b>Rotational Tolerance:</b>	± 180°
<b>Print Contrast Res.:</b>	25% (1D symbologies) or 35% (2D symbologies) absolute dark/light reflectance differential, measured at 650 nm
<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>	
<b>Operational Modes:</b>	Bluetooth (Class II)
<b>Product Warranty:</b>	3 Year



## 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>	<b>1D:</b> Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, Interleaved 2 of 5, GS1 DataBar (RSS), Maxtrix 2 of 5, MSI Plessey, Plessey, Straight 2 of 5, Trioptic, UPC/EAN/JAN  <b>Stacked 1D:</b> GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417  <b>2D:</b> Aztec Code, Data Matrix, Micro QR Code, QR Code, Han Xin  <b>Proprietary 2D:</b> GoCode® (Additional License Required)  <b>Image Output Options:</b> Formats: JPEG, PGM, BMP  <b>Field Selection:</b> High-Density or Wide Field  <b>Time Stamp:</b> Interval Logging  <b>Data Editing:</b> JavaScript (Additional License Required) / CodeXML® Rules

## Working Ranges

CR2600 Performance		
Test Code	Min Inches (mm)	Max Inches (mm)
3 mil Code 39	3.1" (100 mm)	4.0" (102 mm)
7.5 mil Code 39	1.3" (33 mm)	7.2" (182 mm)
10.5 mil GS1 DataBar	0.8" (20 mm)	8.7" (220 mm)
13 mil UPC	1.1" (28 mm)	11.0" (280 mm)
4.2 mil Data Matrix	1.9" (48 mm)	4.3" (110 mm)
5 mil Data Matrix	1.7" (43 mm)	4.5" (115 mm)
6.3 mil Data Matrix	1.3" (33 mm)	5.9" (150 mm)
10 mil Data Matrix	0.8" (20 mm)	7.1" (180 mm)
20.8 mil Data Matrix	1.1" (28 mm)	13.5" (343 mm)

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

## Accessories

- Lithium-Ion Battery
- 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
- Mini-USB (charging station with embedded CodeXML® Modem), USB and RS232 Cables (via External CodeXML® M3 Modem)
- Software Development Kits

**code**

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Specifications subject to change without notice.

