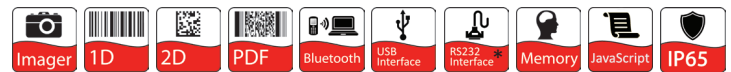# Code Reader™ 2600

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

| Imager | 1D | 2D | PDF | Bluetooth | USB Interface | RS232 Interface * | Memory | JavaScript | IP65 |

*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 unequaled, unmatched bar code reading performance.

Battery status LED indicators with fuel gauge

Code Reader™ 2600 Specifications

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. (128.0 g)
Handle Reader Weight:	6.0 oz. (170.5 g)
Battery Weight:	1.7 oz. (48.0 g)
Charging Station with Embedded Modem Weight:	5.4 oz. (153.0 g)
Charging Station without Modem Weight:	4.9 oz. (139.0 g)

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% (1D symbologies) or 35% (2D symbologies) 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)
Product Warranty:	3 Year

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:** UPC/EAN/JAN, Code 39, Code 93, Code 128, Interleaved 2 of 5, Codabar, GS1 DataBar (RSS) **Stacked 1D**: GS1 Composite (CC-A/CC-B/CC-C), PDF417 **2D:** Aztec, Data Matrix, QR Code
Proprietary 2D:	GoCode® (Additional License Required)
Image Output Options:	Formats: JPEG, PGM, Raw (Uncompressed)
Field Selection:	High-Density or Wide Field
Field Resolution Selection:	1024 x 640 (Multiple Window Options)
Time Stamp:	Interval Logging
Data Editing:	JavaScript (Additional License Required) / CodeXML® Rules

Working Ranges

CR2600 Performance		
Test Code	Min Inches (mm)	Max Inches (mm)
3 mil Code 39	3.9" (100 mm)	5.0" (125 mm)
7.5 mil Code 39	2.2" (55 mm)	8.0" (205 mm)
13 mil UPC	2.0" (50 mm)	10.8" (275 mm)
4.2 mil Data Matrix	3.7" (95 mm)	4.7" (120 mm)
5 mil Data Matrix	3.7" (95 mm)	5.5" (140 mm)
6.3 mil Data Matrix	3.1" (80 mm)	6.3" (160 mm)
10 mil Data Matrix	1.6" (40 mm)	7.9" (200 mm)
20.8 mil Data Matrix	1.6" (40 mm)	12.2" (310 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

CE FC RoHS

code

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Specifications subject to change without notice.