CODE READER™ 4900

The power of Code and the flexibility of Android™.

Code's CR4900 marries the performance of Code readers with the versatility of the Android operating system in a sleek, mini-tablet form factor. The unit is small enough to fit in one hand, but features a large, multi-touch screen for users to easily interface with mobile applications. The Dual-Field Imager provides superior performance on all 1D and 2D barcodes, satisfying the needs of healthcare, retail, hospitality, field service, and a variety of other applications.

Barcode reading with all the amenities.

The CR4900 comes packed with all the features expected in a premium mobile device. Fast-switching Wi-Fi provides uninterrupted voice communication. Built-in Bluetooth 4.0, NFC and HF RFID ensure the CR4900 easily interfaces with a multitude of devices and platforms to enable any workflow. Backed by a high-capacity, hot-swappable battery and wrapped in an IP54, disinfectant-ready case, the CR4900 is designed to minimize downtime and maximize productivity.

The feature-rich CR4900 takes enterprise mobility to the next level.

Features & Benefits

- Superior decoding of all 1D, 2D, and Postal barcodes

- Android 5.1 operating system

- Hot-Swappable Battery maintains active applications during battery change

- Fast-switching Wi-Fi ensures uninterrupted communication

- Bright, 5.0" multi-touch Corning Gorilla Glass 3 screen

- Dual user programmable alert LEDs

- Small, lightweight form factor

- Disinfectant-ready CodeShield® plastics

- Software development kit (SDK) assists in creating custom barcode reading applications

- Single-bay and quad-bay charging stations available

Applications

Bedside medication administration, mobile phlebotomy, lab, home health, positive patient identification, patient-to-device association, shipping/receiving, price updates, inventory, line busting, field services

Features at a Glance

IMAGER	1D	2D	PDF	POSTAL
ANDROID	USB-C	NFC	BLUETOOTH	MEMORY	SCREEN & KEYPAD

Physical Characteristics

CR4900 Dimensions	6.1" L x 3.3" W x 0.9" D (155 mm L x 83 mm W x 24 mm D)
CR4900 Weight	10.3 oz (292.0g)
IP Rating	54

Tablet Performance Characteristics

Operating System	Android 5.1 (GMS Certified)
CPU	Quad Core 1.2GHz
Memory Capacity	2GB RAM, 16GB Flash (Expandable up to 32GB)
Display Resolution	WVGA 5.0" capacitive (720x1280) TFT LCD (340 nits)
Audio Options	Mono speaker, 3.5 mm jack, microphone
Battery Capacity	Rechargeable 4,000 mAh
Input/Output Interfaces	USB Type-C
Integrated Barcode Reader	Dual-Field CR8000 Imager
NFC / HF RFID	13.56MHz, Supports ISO15693, ISO14443A/B, FeliCa
Camera	Rear 8.0 MP Auto Focus / Front 2.0 MP Fixed Focus
WLAN	IEEE 802.11 a/b/g/n/r/k (2.4GHz & 5.0GHz) Security Modes: Legacy, WPA and WPA2 Encryption: WEP (40 and 128 bit), TKIP and AES Authentication: TLS, TTLS (MS-CHAP), TTLS (MS-CHAP v2), TTLS (PAP), PEAP (MS-CHAP v2), PEAP (GTC), FAST (MS-CHAP v2) , FAST (GTC), LEAP with Pre-Authentication, PMKID Caching, Opportunistic Key Caching (OKC), Cisco, 802.11r and 802.11k
Bluetooth	V4.0+EDR, Class II
Shock	Withstands multiple drops of 4 feet (1.2 meters) to concrete
Warranty	www.codecorp.com/warranty

Working Ranges

CR4900 Performance		
Test Barcode	**Min Inches (mm)**	**Max Inches (mm)**
3 mil Code 39	3.1" (80 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)
5 mil DM	1.7" (43 mm)	4.5" (115 mm)
6.3 mil DM	1.3" (33 mm)	5.9" (150 mm)
10 mil DM	0.8" (20 mm)	7.1" (180 mm)
20.8 mil DM	1.1" (28 mm)	13.5" (343 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%.

Scan Engine 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	± 65° (from front to back)
Skew	± 60° from plane parallel to symbol (side-to-side)
Rotational Tolerance	± 180°
Symbol Contrast	15% minimum reflectance difference
Target Beam	Single, blue targeting bar
Ambient Light Immunity	Sunlight: Up to 9,000ft-candles/96,890 lux
Image Output Options	Formats: JPEG or PGM
Field Selection	High Density or Wide Field

User Environment

Operating Temperature	0° to 45° C / 32° to 113° F
Storage Temperature	-20° to 60° C / -4° to 140° F
Humidity	5% to 95% non-condensing
Decode Capability	**1D:** 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
	Stacked 1D: Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417
	2D: Aztec Code, Data Matrix, Data Matrix Rectangular Extension, Grid Matrix, Han Xin, Maxicode, Micro QR Code, QR Code, QR Model 1
	Postal: Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Planet, Postnet, UK Royal Mail, UPU ID-tags
	Proprietary 2D: GoCode® (License Required)

Accessories

- Single-Bay Desktop Charging Station
- Quad-Bay Battery Charging Station
- Hand Strap
- Belt Clip

CE FC RoHS

www.codecorp.com

REVOLUTIONIZING BARCODE READING

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