

Product Overview

Creo XR Hand Held Corded Scanner

The Creo XR combines the compact, ergonomic, easy to use, design of the Creo with a powerful HF/LF RFID reader. Designed for the health care and lab instrumentation market the Creo XR allows operators to utilize RFID access cards or use RFID tags on inventory, or patient identification. The XR model also includes an upgraded Megapixel engine and a new green cross pattern LED aimer. This provides a faster response on small or damaged and hard to read codes which greatly improves work flow.

As a health care superstar the Creo XR includes an anti-microbial agent that is tested to ensure 99% prevention of bacteria growth on its surface. The reader is also disinfectant-ready, and as such its enclosure can be cleaned with standard health care cleaning agents. The reader is exceptionally easy to use for health care professionals and lab technicians, with a great white light illuminator, rapid scan technology, high skew angle tolerance, and good read audible, visual, and tactile indication. The reader's ergonomic design provides a great feel in the user's hand and allows for hassle-free scanning. The good read green LED indication further enhances the user's experience with the Creo XR.



Creo XR

Features

- Anti-Microbial and disinfectant ready surface
- High and Low Frequency Capabilities
- Audible, visual, and tactile feedback
- Compact size and excellent ergonomics
- Creo XR upgrade with 1MP resolution
- Integrated cable with USB interface
- Snappy reading performance with high motion tolerance

Applications



The Creo XR is specifically designed for Health care and Lab applications, and is ideal for use in:

- Medical devices
- Lab Instrumentation
- Biomedical
- Sample testing
- Bedside point of care
- Nursing carts
- Hospital Pharmacy
- Identity Verification

Technical Specifications

DECODING CAPABILITY

| | |
|-------------------|---|
| 1D / LINEAR CODES | Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes. |
| 2D CODES | Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code |
| POSTAL CODES | Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Postnet; |
| STACKED CODES | EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites |

ELECTRICAL

| | FHR-006 |
|-----------------------------|---------------|
| Input Voltage | 4.5 – 5.5 VDC |
| Max Current | 440 mA |
| Operating Current (Typical) | 180 mA |
| Standby Current (Typical) | 60 mA |

ENVIRONMENTAL

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|---------------|---|
| AMBIENT LIGHT | 0 - 100,000 lux |
| HUMIDITY | 5 - 95% (NON –CONDENSING) |
| TEMPERATURE | Operating: 0 to 55 °C / 32 to 140 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F |
| IP RATING | IP54 |

INTERFACES

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| INTERFACES | USB COM, USB OEM, USB Keyboard, * RS232 * on request |
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PHYSICAL CHARACTERISTICS

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| DIMENSIONS | 111 L x 39.9 W x 26.5 D mm D / 4.38 L x 1.57 W x 1.04 D in |
| WEIGHT | 81.0 g / 2.8 oz |

FHR-006

Creo XR (1MP Resolution, Barcode and HF/LF RFID Reader, LED Green Crosshair Aimer), 2M White USB Cable.

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READING PERFORMANCE

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|----------------------------|---|
| IMAGER SENSOR | 1280 x 800 pixels |
| LIGHT SOURCE | Aiming: Green Cross LED Illumination: Internal White LEDs |
| PRINT CONTRAST RATIO (MIN) | 20% |
| FIELD OF VIEW | 47° H x 30° V |
| READING ANGLE | Pitch: +/- 60°; Roll (Tilt): +/-360°;Skew (Yaw): +/- 60° |
| RESOLUTION (MAXIMUM) | 1D Linear: 3 mils |
| MOTION TOLERANCE | 6 m/s |
| FRAMES PER SECOND | 60 FPS (120 With Firmware Upgrade) |

BARCODE READING RANGES

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| TYPICAL DEPTH OF FIELD | Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. 1D / 2D CODES 5 mils Code 39: 4.5 to 18.0 cm / 1.7 to 7 in 10 mils PDF417: 4.2 to 24.7 cm / 1.6 to 9.7 in 20 mils Code 39: 7.1 to 74.7 cm / 2.7 to 29.4 in |
|------------------------|--|

RFID PERFORMANCE

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|------------------------------|---|
| RFID ENGINE | Diamond Technologies Proprietary Engine |
| NOMINAL READ RANGE | Contact -3" / 0 - 76.2mm |
| SUPPORTED TAGS AND PROTOCOLS | Reads globally relevant standards EM 125kHz, ISO14443A, ISO14443B, ISO15693, ISO18092, EM4102/4100, EM4305, HITAG1,2,S, NXP ICODE, SLI, SLIX, SLIX2, MIFARE, Classic, Classic 1K/4K, DESFire EV1,EV2, EV3, PLUS, Ultralight C, Ultralight EV1, NTAG 203,213, PicoPass, SRX, Topaz |
| READ - WRITE SPEED | NFC-A 106kbps, NFC-B 212kbps or 424kbps |
| FREQUENCY BAND | 125KHz LF, 13.56 MHz HF |

SAFETY & REGULATORY

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| ENVIRONMENTAL COMPLIANCE | FCC Part 15 Class B, CE, UL, IEC 62368-1:2014, RoHS, UKCA, IC, WEEE |
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UTILITIES

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| OPOS / JAVAPOS | JavaPOS Utilities are available OPOS Utilities are available |
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WARRANTY

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| WARRANTY | 2 Year Factory Warranty |
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