



XM2-RFID for Rail

Impressive Design. Unmatched Performance.

With more than 1.3 million railroad cars in North America equipped with Automatic Equipment Identification (AEI) RFID tags, the demand for a more versatile and portable handheld RFID reader has grown significantly over the years. Janam's XM2-RFID for Rail is the lightest, fastest and most affordable RFID-reading solution for the railroad industry. A fully rugged, highly capable, handheld RFID reader, the XM2-RFID for Rail offers best-in-class read range and battery life and is the first fully integrated handheld computer to deliver the ability to read Automatic Equipment Identification (AEI) RFID tags to the palm of the hand.

Extending the Benefits of RFID.

The XM2-RFID for Rail is fully-featured to provide the power and performance required by mobile workers in freight and rail operations. Offering a range of features to address the demands of the challenging rail industry, the XM2-RFID for Rail is equipped with a user-addressable compass for integration with transportation applications, brilliant 3.2-inch color display, Motorola SE4500 2D imager for robust decoding of the hardest-to-read barcodes and support for Microsoft's Windows Embedded Handheld 6.5 operating system.

Committed to delivering the right combination of performance and reliability, the 13-ounce XM2-RFID for Rail mobile computer reads AEI tags from at least one meter (3.3 feet) away, and after five hours of continuous use and more than 40,000 tag reads, still has 20% capacity remaining in its battery. Janam's XM2-RFID for Rail provides customers with an AEI tag-reading solution that is exponentially better than competitive offerings for half the price.

The right features. The right price.

- » Impressively light and fits in the palm of the hand- under 13 ounces
- » Freescale ARM 9 processor
- » High-performance barcode scanning
- » Brilliant 3.2" display
- » Sealed to IP64 standards
- » 128MB/128MB with expansion capability
- » 802.11b/g/n Wi-Fi
- » Bluetooth
- » 2880mAh how-swappable Li-ion battery



XM2-RFID for Rail specifications



TECHNICAL

Operating System	Microsoft® Windows® Embedded Handheld 6.5
Processor	Freescale ARM 9 CPU
Memory	128MB RAM/128MB NAND Flash
Expansion	User-accessible microSD card slot
Power	2880mAh rechargeable Li-ion battery

PHYSICAL

Dimensions	5.8" H x 2.9" W x 1.0" L / 148mm H x 73mm W x 25.4mm L
Weight	13oz / 370g including battery
Keypad	Numeric
Display	3.2" QVGA with LED backlight
Touch Panel	Resistive touch screen

ENVIRONMENTAL

Operating Temperature	-4° to 122°F / -20° to 50°C
Storage Temperature	-22° to 158°F / -30° to 70°C
Humidity	5% to 90% RH (no condensation)
Drop	4ft / 1.2m drop to concrete on four sides
Water & Dust	IP64
Tumble	250 3.2' (1m) tumbles (250 drops)
Electro Static Discharge (ESD)	+/- 15kVdc air; +/- 8kVdc contact
Sterilization	76.9% to 81.4% concentration alcohol rub

INTERFACE FEATURES

Communication Port	Industrial connector
Audio	Speaker and Microphone
Alerts	Vibration; LED indicators; audio beep
LED Indicators	Tri-color
Scan Triggers	Left, right, center buttons

DATA CAPTURE

RFID	Reads industry-standard Automatic Equipment Identification (AEI) RFID tags
Imager	Motorola SE4500 1D/2D CMOS

WIRELESS COMMUNICATION

WLAN	802.11b/g/n
Security	WEP (40 or 128 bit); TKIP; AES; WPA2-PSK; WPA-PSK; WPA2 (EAP-TLS, EAP-PEAP)
WPAN	Bluetooth v2.1 with EDR

MOBILE APPURTENANCES

Compass	API-addressable compass for applications
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ACCESSORIES

	Single-slot USB/Serial cradle kit
	Cradle Cup kit

SAFETY/REGULATORY

Safety	EN60950-1:2006/A2:2013; EN60601-1-2:2014
EMI	FCC Part 15 Subpart B:2013; EN55022:2010+AC:2011; EN55024:2010
RF	FCC Part 15 Subpart C and Subpart B:2013; EN300 328 v1.8.1 (2012-06), EN300 328 v1.9.0; EN301 489-1 v1.9.2 (2012-10-23); EN301 489-17 v2.2.1 (2012-10-23)