

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 hot-swappable 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)