



**PARTNER BRIEF # 12: Introducing the XM60 Microsoft® Windows® CE Rugged Mobile Computer**

Contact: [inquiries@janam.com](mailto:inquiries@janam.com)

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» **Janam's XM60 is Here!**

The XM60, a Windows CE rugged mobile computer with Adaptus® Imaging Technology, is now shipping. The XM60 has all the features today's business applications demand and is smaller, lighter and far less expensive than comparable products.

**The right features.**

- » Windows CE 5.0
- » High performance barcode scanning
- » Small, light and truly pocketable
- » Backlit numeric keypad
- » Brilliant QVGA color display
- » Powerful computing performance
- » User-accessible mini-SD memory slot
- » Wireless communication options (IEEE 802.11b and Bluetooth)
- » Sealed to IP54 standards
- » Withstands multiple 4'/1.2m drops to concrete across wide temperature range
- » Full system of accessories (and the XM Series works with the same accessories as the XP Series)

**The right price!**

- » Finally, there's a WinCE solution with a price that makes sense. XM60 pricing is extremely attractive. Contact your authorized distributor for details.

Product details are as follows:

Configuration	Description
XM60N-1NCLBC00	Bluetooth, 1D scanning, 2D scanning capability, 240x320 QVGA color, 266MHz CPU, 64MB/64MB, Numeric keypad, Microsoft Windows CE 5.0, 1880mAh battery
XM60W-1NCLBC00	WLAN, Bluetooth, 1D scanning, 2D scanning capability, 240x320 QVGA color, 266MHz CPU, 64MB/64MB, Numeric keypad, Microsoft Windows CE 5.0, 1880mAh battery

Please see attached product support material for additional information.

If you have any questions, please contact [inquiries@janam.com](mailto:inquiries@janam.com) or call +1.877.JANAM.99.

## Introducing the XM60

Microsoft® Windows® CE  
Rugged Mobile Computer



Technology at Work.

**JANAM**



## XM Series

### Value and performance.

The XM Series rugged mobile computer delivers all the built-in capabilities today's business applications demand and is smaller, lighter and far less expensive than comparable products. Designed for maximum value and performance, the XM60 is a cost-effective mobile solution for Windows® CE applications.

### Get more. Spend less.

The XM60 features a color, quarter-VGA display, Freescale™ MX21 processor, backlit numeric keypad, WLAN and Bluetooth. The XM60 weighs less than 10 ounces, is fully RoHS compatible, meets IP54 sealing requirements and withstands multiple 4'/1.2m drops to concrete across wide temperature range.

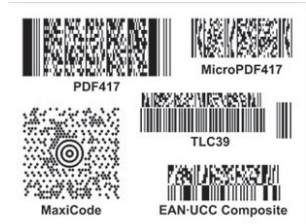
Further enhancing its value, the XM60 features integrated 1D barcode scanning as well as built-in 2D barcode scanning capability. Janam's 2D scanning solution enables users to upgrade barcode scanning capability from 1D to 1D/2D on any device at any time with a simple firmware upgrade.



### The right features. The right price.

- » Microsoft® Windows® CE 5.0
- » High performance barcode scanning
- » Small, light and truly pocketable
- » Backlit numeric keypad
- » Brilliant QVGA color display
- » Powerful computing performance
- » User-accessible mini-SD memory slot
- » Wireless communication options (IEEE 802.11b and Bluetooth)
- » Sealed to IP54 standards
- » Withstands multiple 4'/1.2m drops to concrete across wide temperature range
- » Full system of accessories

With **Adaptus® Imaging Technology**, the XM Series easily reads all types of barcode symbologies including linear, stacked and two-dimensional. Regardless of the type of barcode used today, the XM Series offers the flexibility to adapt as business needs change, without the need to invest in new hardware.



# XM60 Series specifications



## TECHNICAL

Operating System	Microsoft® Windows® CE 5.0
Processor	Freescale™ MX21-266MHz
Memory	64MB SDRAM 64MB NAND
Expansion	User accessible mini-SD slot; compatible with up to 2GB mini-SD card
Battery	Swappable 3.7V 1880mAh rechargeable Li-ion
Backup Battery	Rechargeable 20mAh Ni-MH

## PHYSICAL

Dimensions	1.20" H x 3.11" W x 5.75" L / 30.5mm H x 79mm W x 146mm L
Weight	9.88oz / 280g
Keypad	Backlit numeric keypad
Display Size	2.17" W x 2.95" L / 55.0mm W x 75.0mm L
Display Type	262K colors TFT QVGA (240x320)
Touch Panel	Analog resistance type; stylus input

## ENVIRONMENTAL

Operating Temp	14° to 122°F / -10° to 50°C
Storage Temp	-4° to 140°F / -20° to 60°C
Humidity	5% to 90% RH (no condensation)
Drop	Multiple 4ft / 1.2m drops to concrete on all sides at full temperature range
Water & Dust	IP54 Category II
Vibration	0.03 G <sup>2</sup> /Hz from 20Hz to 2kHz; 1 hour random wave per axis
Electro Static Discharge (ESD)	+/- 15kVDC air; +/- 8kVDC contact
Sterilization	76.9% to 81.4% concentration alcohol rub
Ambient Light	450ft-candelas (artificial light); 8000ft-candelas (sunlight)

## INTERFACE FEATURES

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

## DATA CAPTURE

Imager	1D/2D HHP Adaptus® Imaging Technology; 752 x 480 pixel CMOS area imager
1D Symbologies	China Post, Codabar, Codablock F, Code 11, Code 16K, Code 32 Pharmaceutical (PARAF), Code 39, Code 49, Code 93 and 93i, Code 128, EAN-8, EAN-13, Interleaved 2 of 5, ISBT 128, Matrix 2 of 5, Korea Post, MSI, Plessey Code, PosiCode, Reduced Space Symbology (RSS-144, RSS Limited, RSS Expanded), Straight 2 of 5 IATA (two-bar start/stop), Straight 2 of 5 Industrial (three-bar start/stop), Telepen, Trioptic Code, UPC-A, UPC-A with Extended Coupon Code, UPC-E, UPC-E1
2D Symbologies	PDF417 (EAN-UCC Composite, MicroPDF417, PDF417, TCIF Linked Code 39, TLC39), 4-CB (4-State Customer Barcode), Australian Post, Aztec Code, Aztec Mesas, British Post, Canadian Post, Data Matrix, ID-tag (UPU 4-State), Japanese Post, KIX (Netherlands) Post, MaxiCode, OCR, Planet Code, Postnet, QR Code

## DATA COMMUNICATION

IrDA	Standard v1.2 (up to 115,200bps)
USB	v1.1 client (up to 12Mbps), OTG support
WPAN	Bluetooth
WLAN	IEEE 802.11b radio, 2.4GHz, WPA support

## ACCESSORIES

Single Slot Cradle	Synching/Charging Cables	Cable Cup
Four Slot Cradle	Power Supply	Vehicle Charger
Modem Cradle	Line Cord	Holster
Larger Capacity Battery	Adjustable Handstrap	
Magnetic Stripe Reader	Stylus	

## SAFETY/REGULATORY

Safety	UL 60950-1, CSA C22.2 No. 60950-1, EN60950, GS
EMI	FCC Part 15 Class B, EN 55022 Class B (CE-EMC), EN 55024 (CE:EMC), AS/NZS CISPR 22 (C-Tick), ICES-003 Class B, SRRC, NOM
RF	FCC Part 15.27, ETS 300 328, ETS 300 826, AS/NZS 4771, IC RSS102, IC RSS210

## XM60 Points to consider.

### The right features. The right price.

With all the features today's mobile applications demand and a price that makes sense, the XM60 sets new standards for rugged mobile computers.



- » Microsoft® Windows® CE 5.0
- » High performance barcode scanning
- » Small and light
- » Brilliant QVGA color display
- » User-accessible mini-SD memory slot
- » Wireless communication options (IEEE 802.11b and Bluetooth)
- » Sealed to IP54 standards
- » Backlit numeric keypad
- » Powerful computing performance
- » Truly pocketable
- » Full system of accessories
- » Withstands multiple 4'/1.2m drops to concrete across wide temperature range

Feature	Janam XM60	Intermec CN2B	Intermec CN3	Motorola MC50	Motorola MC70	Unitech PA600	Datalogic Pegaso	HHP 7600
Light (less than 10oz with battery)	✓	✗	✗	✓	✗	✗	✗	✗
Rugged	✓	✓	✓	✗	✓	✗	✓	✓
Sealed	✓	✓	✓	✗	✓	✓	✓	✓
Pocketable	✓	✓	✓	✓	✗	✓	✗	✗
Field Upgradable 2D Scanning	✓	✗	✗	✗	✗	✗	✗	✗
Numeric Keypad	✓	✓	✓	✗	✓	✓	✓	✓
Backlit Keypad	✓	✗	✓	✗	✓	✓	✓	✓
Adaptus® Imaging	✓	✗	✗	✗	✗	✗	✗	✓
Bluetooth as Standard	✓	✓	✓	✗	✓	✓	✗	✓
Price	\$	\$\$\$	\$\$\$\$	\$\$	\$\$\$\$	\$\$\$	\$\$\$	\$\$\$

✓ Janam's XM60 has it all.

✗ Comparable products fall short.

## JANAM XM SERIES List Pricing

XM60		
XM60N-1NCLBC00	Bluetooth, 1D scanning, 2D scanning capability, 240x320 QVGA color, 266MHz CPU, 64MB/64MB, Numeric keypad, Microsoft Windows CE 5.0, 1880mAh battery	Call for details
XM60W-1NCLBC00	WLAN, Bluetooth, 1D scanning, 2D scanning capability, 240x320 QVGA color, 266MHz CPU, 64MB/64MB, Numeric keypad, Microsoft Windows CE 5.0, 1880mAh battery	Call for details

2D Scanning Firmware		
2D-XP-1	2D Decode Firmware Upgrade for all XP Series and XM Series products	\$200

## Accessories

Janam accessories can be used with all XM Series and XP Series Products unless otherwise noted.

### » Cradle Kits

CK-XP-1S	Single Slot USB/Serial Cradle Kit <sup>1</sup>	\$195
CK-XP-1M	Single Slot Modem Cradle Kit <sup>1</sup>	\$350
CK-XP-4	Four Slot Cradle Kit <sup>1</sup>	\$590

### » Synching/Charging Cables

SC-XP-1	Serial Synching/Charging Cable <sup>2</sup>	\$35
UC-XP-1	USB Synching/Charging Cable <sup>2</sup>	\$30
AC-XP-1	Power Supply <sup>5</sup>	\$25

### » Batteries/Chargers

BA-XP-1	Battery (1880MAH 3.7V)	\$50
BA-XP-2	Extended Battery (3760MAH 3.7V) <sup>3</sup>	\$95
BK-XP-1	Extended Battery Kit (with Cover) <sup>3</sup>	\$125
BC-XP-1	Battery Charger	\$50
PS-XP-BC	Power Supply for BC-XP-1	\$45
UBC 3000	Four-Station Battery Charging Base <sup>4</sup>	\$110

### » Expanded Performance

MSR-XP-1	Magnetic Stripe Reader	\$195
CC-XP-1	Universal Cable Cup <sup>6</sup>	\$95
HL-XP-1	Nylon Holster with Rugged Clip	\$35
SS-XP-5	Stylus Tether (5-pack)	\$20

### » Spare and Replacement Items

RC-XP-1S	Serial Cable for CK-XP-1S	\$45
PS-XP-1	Power Supply for CK-XP-1 & CK-XP-1S	\$65
PS-XP-4	Power Supply for CK-XP-4	\$90
HS-XP-1	Handstrap	\$15
ST-XP-5	Stylus (5-pack)	\$10

#### Notes:

1. Cradle Kits include cradle, power supply, line cord and communications cable(s).
2. To charge a device using the synching/charging cables, the separately orderable power supply (AC-XP-1) is required. If cables are used for synching only, power supply is not needed.
3. Must purchase Extended Battery Kit (BK-XP-1) before Extended Battery (BA-XP-2). Battery cover required to secure larger battery.
4. UBC 3000 includes universal power supply and line cord.
5. To be used with UC-XP-1, SC-XP-1 and CC-XP-1.
6. To charge a device with the Cable Cup attached, the separately orderable power supply (AC-XP-1) is required.