



XG100

For the Work at Hand.

Janam's XG100 Series has been optimized to meet the unique requirements of mobile workers in warehouses, distribution centers, loading docks and other operating venues where rugged gun-shaped mobile computers are deployed. While its center-weighted ergonomic design makes it uniquely balanced and light, the Microsoft Windows-based XG100 is a powerful workhorse that delivers state-of-the-art computing performance in an exceptionally rugged package. Designed for the work at hand, the XG100 delivers superior performance and flexibility at a great price.

Winning Form Factor. Winning Features.

The XG100 offers mobile workers an unmatched combination of highly functional design and optimized human interface. Its rugged industrial-grade construction enables full functionality in the most hostile operating environments, while its sleek upper body creates a wide profile for larger keys without adding unnecessary weight or bulk. The powerful battery of the XG100 is located within the unit's pistol grip, lowering the product's center of gravity and reducing its perceived heft. But the XG100's unique form factor is just the beginning.



The XG100 delivers at every level:

Worker Productivity

- » Center-weighted form factor with removable battery in handle
- » Large, well spaced keys that are easy to locate, easy to press
- » Extra-bright keypad backlight
- » Vibrator alert for successful scan notification in noisy environments
- » Bright LED tail lights for visual feedback during overhead scanning
- » Superior audio performance, VOIP-ready

Tough Environments

- » Withstands multiple 6' drops to concrete on all six sides across full temperature range
- » Survives 2,000 tumbles at 3' (equivalent to 4,000 drops)
- » Sealed to IP64 standards
- » All keys tested to 1,000,000 actuations
- » Built-in battery thermistor stops charging in overheated conditions

Easy Migration, Easy Integration

- » Robust 802.11 b/g Summit WLAN radio with Cisco's CCX support
- » Powerful Adaptus™ imager reads virtually all 1D and 2D barcodes
- » Integrated Electronic Article Surveillance (EAS) tag for enhanced asset protection
- » Emulator keypads insuring compatibility with existing installations
- » Full suite of single-slot and four-slot cradles designed for every communication protocol

XG100 Series specifications



TECHNICAL

Operating System	Microsoft Windows® CE 6.0
Processor	Marvell XScale PXA320 624MHz
Memory	128MB or 256MB DDR SDRAM 256MB NAND Flash ROM
Expansion	User accessible micro-SD card slot
Battery	Swappable 7.4V 2500mAh rechargeable Li-ion; hot swap and orderly shutdown feature
Backup Battery	Rechargeable 80mAh Ni-MH

PHYSICAL

Dimensions	7.24" H x 3.51" W x 9.07" L / 183.78mm H x 89.05mm W x 230.44mm L
Weight	23.6oz / 669g including battery
Keypad	Backlit 42-key and 52-key including terminal emulation keypads (5250, 3270, VT)
Display	3.7" TFT QVGA (240x320); 262K color
Touch Panel	Analog resistance type; stylus input

ENVIRONMENTAL

Operating Temp	14° to 122° F / -10° to 50° C
Storage Temp	-40° to 158° F / -40° to 70° C
Humidity	5% to 90% RH (no condensation)
Drop	Multiple 6ft / 1.8m drops to concrete on all sides across a wide temperature range
Tumble	2,000 tumbles, 3.3ft/1m at room temperature (4,000 hits)
Water & Dust	IP64
Vibration	0.03 G ² /Hz from 20Hz to 2kHz; 1 hour random wave per axis
Electro Static Discharge (ESD)	+/- 15kVDC air; +/- 8kVDC contact

INTERFACE FEATURES

Audio	Speaker and Microphone
Alerts	Vibration, LED indicators, full audio
LED Indicators	Tri-color indicators at top, rear and bottom
Scan Trigger	Pistol grip trigger (located on handle)

DATA CAPTURE

Imager	1D/2D Adaptus® Imaging Technology with Laser Aimer
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

USB	v2.0 client (full speed), v2.0 host
WPAN	Bluetooth v2.0
WLAN Hardware	Summit IEEE 802.11b/g radio, 2.4GHz, certified for Cisco CCX v4
Wireless Security	WPA-PSK, WPA2-PSK, AES, LEAP, PEAP (MS-CHAPv2), PEAP-TLS, TKIP, EAP-TLS, WEP 40-bit, WEP 128-bit

SOFTWARE AND DEVELOPMENT

Summit Client Utility (SCU)	Wavelink Suite*	Microsoft Visual Studio
Summit WLAN SDK	Pragma Systems SSN*	Stay-Linked Ready*
Janam XG100 SDK	Soti MobiControl*	

ACCESSORIES

Single Slot Cradle Kits	Synching/Charging Cables	Adjustable Handstrap
Four Slot Cradle Kits	Stylus Tether	Stylus 5-Pack
DEX Cable		

SAFETY/REGULATORY

Safety	UL60950-1, CSA C22.2 No. 60950-1, EN60950-1, IEC60950-1, IEC60825-1, Laser Class 2+CDRH
EMI	FCC Part 15 Class B, EN55022 Class B (CE:EMC), EN55024 (CE:EMC), ICES-003 Class B, AS/NZS CISPR 22 (C-Tick), NOM
RF	FCC Part 15.247, ETS 300 328, AS/NZS 4771, IC RSS102, IC RSS210

* In development. Expected at product release.

Specifications subject to change.

XG100

Microsoft®
Windows CE
Rugged Mobile
Computer



XG100W-LBGDBT00	52-key VT keypad, Microsoft Windows CE 6.0, Marvell XScale PXA320 624MHz CPU, 128MB/256MB, WLAN 802.11b/g, BT 2.0, 1D scanning with laser dot aimer, 2D scanning capability, 240x320 QVGA color display, 2500mAh battery
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XG100W-LFGDBT00	42-key function-numeric keypad, Microsoft Windows CE 6.0, Marvell XScale PXA320 624MHz CPU, 128MB/256MB, WLAN 802.11b/g, BT 2.0, 1D scanning with laser dot aimer, 2D scanning capability, 240x320 QVGA color display, 2500mAh battery
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