



XG Series

For the Work at Hand.

Janam's XG Series is 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. The products' rugged industrial-grade construction enables full functionality in the most hostile operating environments, and its sleek upper body creates a wide profile for larger keys without adding unnecessary weight or bulk. The powerful battery is in the handle. This unique design makes the XG100 and XG105 incomparably light and balanced in the hand, making them ideal for scan-intensive, extended shift use in demanding environments.

Winning Form Factor. Winning Features.

The XG Series offers mobile workers an unmatched combination of highly functional design and optimized human interface. The Series includes the XG100 with Honeywell's Adaptus® imaging technology and the XG105 with Motorola's SE965 high-performance laser scan engine. The rugged handhelds are sealed to IP64 and withstand multiple 6' drops to concrete. With mobile double data rate (DDR) memory and 7.4V 2500 mAh batteries, the XG100 and XG105 deliver best-in-class computing speed and battery life. Designed for the work at hand, the XG100 and XG105 deliver superior performance and flexibility at a great price.

Available with Windows Mobile, Windows Embedded Handheld or Linux.



yocto
PROJECT

The XG Series delivers at every level:

Worker Productivity

- » Unique design makes it incomparably light and balanced in hand
- » Laser for distance scanning and hard to read barcodes or imager for fast, convenient 1D and 2D omnidirectional barcode data capture
- » Large, well spaced keys that are easy to locate, easy to press
- » 3.7" VGA display and extra-bright keypad backlight
- » Vibrator alert for successful scan notification in noisy environments
- » Bright LED tail lights for visual feedback during overhead scanning

Tough Environments

- » Withstands multiple 6' drops to concrete on all six sides across full temperature range
- » Survives 2,000 tumbles (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 Summit WiFi radio, Aruba Networks and Cisco certified
- » Integrated Electronic Article Surveillance (EAS) tags 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

XG Series Specifications (XG100 and XG105)



TECHNICAL

Operating System	Microsoft Windows Mobile 6.1, Microsoft Windows Embedded Handheld 6.5 or Yocto Project 1.4.2 (Linux)
Processor	Marvell PXA320 @624MHz
Memory	256MB DDR SDRAM, 256MB NAND Flash ROM
Expansion	User accessible microSD card slot
Power	Removable, rechargeable 7.4V 2500mAh Li-ion; hot swap and orderly shutdown; 80mAh Ni-MH backup battery

PHYSICAL

Dimensions	7.24" H x 3.51" W x 9.07" L / 18.4cm H x 8.9cm W x 23.0cm L
Weight (with battery)	24.3oz / 689g (XG100); 24.4oz / 692g (XG105)
Keypad	Backlit 42-key and 52-key; plus terminal emulation keypad options (5250, 3270, VT) available for Windows devices
Display	3.7" Color TFT VGA; 262K colors
Touch Panel	Analog resistance type; stylus input

ENVIRONMENTAL

Operating Temperature	14° to 122°F / -10° to 50°C
Storage Temperature	-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 at room temperature (4,000 hits)
Water & Dust	IP64 per IEC Sealing Specification
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 Triggers	Pistol-grip trigger (located on handle)

DATA CAPTURE

Imager (XG100)	Honeywell Adaptus Imaging Technology; 752 x 480 pixel CMOS area imager; 1D and 2D ready
Laser (XG105)	Motorola SE965HP; CDRH Class II/EC Class 2; 104 (± 12) scan/sec (bidirectional)

DATA COMMUNICATION

WLAN	Summit IEEE 802.11b/g; Aruba Networks certified; Cisco certified
WLAN Security	WPA-PSK, WPA2-PSK, AES, LEAP, PEAP (MS-CHAPv2), PEAP-TLS, TKIP, EAP-TLS, WEP 40-bit, WEP 128-bit
WPAN	Bluetooth v2.0
USB	v2.0 client (full speed), v2.0 host

ACCESSORIES

	Single-Slot Cradle Kits	Syncing/Charging Cables	Adjustable Handstrap
	Four-Slot Cradle Kits	DEX Cable	Stylus 5-Pack
	Battery Charger Kit	Stylus Tether	Holster

SAFETY/REGULATORY

Safety	UL60950-1, CSA C22.2 No. 60950-1, EN/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
	For product-specific (XG100 and XG105) information, visit www.janam.com .

