

Purpose. Performance. Productivity.

JANAM



XP Series

Put your Palm OS applications to work.

Janam's XP Series rugged mobile computers combine the benefits of Palm OS® Garnet™ with the advanced features today's mobile applications demand. Purpose-built for maximum performance, the XP Series was designed to:

- Support barcode-scanning applications written for earlier versions of Palm OS
- Extend solutions with new functionality
- Improve productivity and performance

Reclaim your technology roadmap.

Janam's XP Series delivers state-of-the-art processor and memory technology in a remarkably small and light package. As a drop-in replacement for existing rugged Palm OS mobile computers, the XP Series provides an easy migration path that protects users' investments in legacy Palm applications and work processes. Now customers can continue to deploy their proven and cost-effective Palm OS applications as needed, and upgrade their technology on their own timetable, not someone else's.

The right tool for the job.

Janam designed the **XP20** to execute mission-critical, data collection tasks in the enterprise. Every element of the product's form and function has a purpose. For example, the XP20 Series' custom, "bright-white", monochrome display was created because it offers the same 160x160 screen resolution as legacy Palm OS products, thereby facilitating application migration across hardware platforms. Yet the XP20 Series also delivers significant improvements over legacy Palm OS products, each one aimed at extending the product's reach into the enterprise. Customers no longer need to compromise on features like numeric keypad, 2D barcode scanning, permanent memory backup of applications and data, keypad backlighting, user-accessible mini-SD slot, latest WLAN security, extra capacity battery, and many more.

The **XP30** is the world's first fully-featured mobile computer that scans barcodes and runs the latest version of the Palm OS. A brilliant, color, quarter-VGA display and blazing Freescale™ architecture make the XP30 a best-of-breed, rugged, barcode-scanning, mobile computer, while its list price makes it impossible to ignore. For customers who have thought about extending the reach and capability of their mobile Palm applications, the XP30 has the horsepower to execute mission-critical, data collection tasks at the point of business activity. And for customers who are ready to switch to the Palm OS for its simplicity and its durability, the XP30 is a platform that pays for itself twice as fast as comparable devices.



XP20
with PDA
Keypad

XP30
with Numeric
Keypad

XP20 Series Specifications

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TECHNICAL

Operating System	Palm® OS 5.4.9
Processor	Freescale™ MX21-266MHz
Memory	32MB SDRAM 64MB NAND NAND flash backup of OS, applications and user data
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	1.28" H x 3.11" W x 5.75" L / 32.5mm H x 79mm W x 146mm L
Weight	9.88oz / 280g
Keypad	PDA keypad (with 4-way navigation) or numeric keypad
Display Size	2.17" W x 2.95" L / 55.0mm W x 75.0mm L
Display Type	Bright white monochrome FSTN 160x160 LCD display
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 ² /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	Buzzer
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)
WLAN	IEEE 802.11b/g radio, 2.4GHz, WPA support

ACCESSORIES

2D Decode Firmware Upgrade	Syncing/Charging Cable
Single Slot Cradle	Power Supply
Four Slot Cradle	Line Cord
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

Specifications subject to change.



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Touch Panel	Analog resistance type; stylus input

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WLAN	IEEE 802.11b/g radio, 2.4GHz, WPA support

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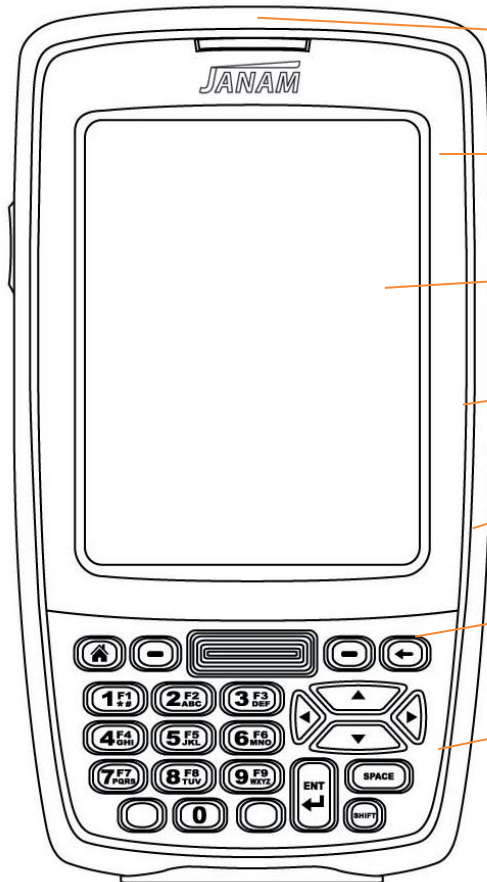
2D Decode Firmware Upgrade	Syncing/Charging Cable
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1D and 2D Barcode Scanning

Expanded data collection capability with Adaptus™ Imaging Technology

32MB SDRAM/64MB NAND and Total Recall

Power and performance, plus complete application and user data backup

Color screen option

Supports graphics-intensive applications

Less than 10 ounces

Smaller and lighter than comparable mobile computers

Built tough for today's mobile workers

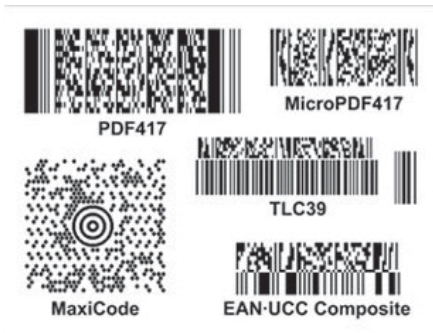
Sealed to IP54 standards and withstands drops from four feet to concrete

Keypad Options - Numeric or PDA-style

Designed for application flexibility, both versions are backlit and easy to program

Enterprise Class WLAN

Advanced WEP and WPA security protocols to protect mission-critical data transmission



Using Adaptus™ Imaging Technology, the XP Series not only handles all current symbologies such as 1D, stacked linear, and matrix codes, but also decodes Data Matrix, PDF417, MicroPDF417, postal codes, TLC39, MaxiCode, EAN.UCC, and other future symbologies such as 2005 Sunrise.

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