



XP30
PDA Keypad



XP30
Numeric Keypad

XP20
PDA Keypad



XP20
Numeric Keypad



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 is 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. At the same time, 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, WLAN security, battery capacity and many more.

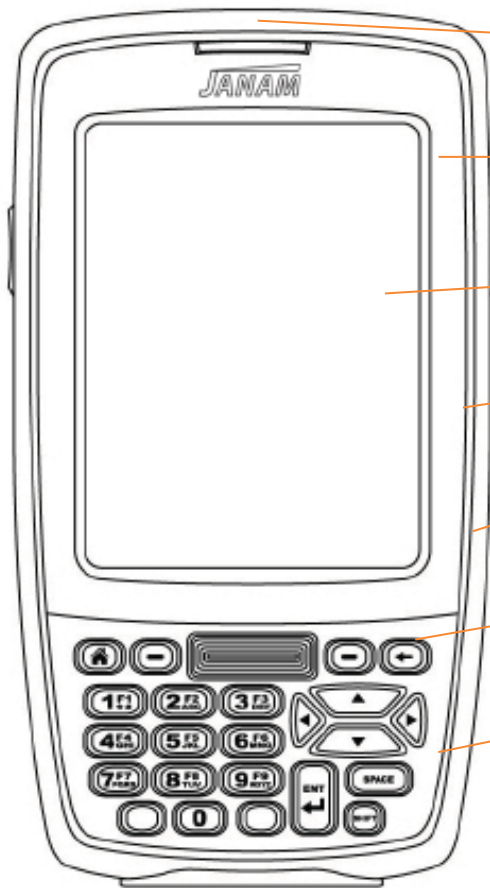
The **XP30** is the world's first fully-featured mobile computer that scans barcodes and runs the latest version of the Palm OS. A brilliant, color, quarter-VGA display and blazing Freescale™ architecture make the XP30 a best-of-breed, rugged, barcode scanning, mobile computer, while its list price makes it impossible to ignore. For customers who want to extend 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.



XP30
with Numeric
Keypad

XP20
with PDA
Keypad

Purpose. Performance. Productivity.



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

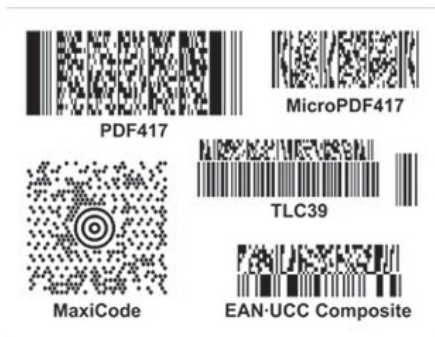
Sealed to IP54 standards and withstands drops from four feet to concrete

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



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

JANAM

XP20 Series specifications



TECHNICAL

Operating System	Palm® OS 5.4.9 Garnet™
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 4GB 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	-4° to 122°F / -20° to 50°C
Storage Temp	-13° to 158°F / -25° to 70°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); 8,000ft-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 Adaptus® Imaging Technology; 752 x 480 pixel CMOS area imager
1D Symbologies (standard)	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 (upgradeable)	PDF417 (EAN-UCC Composite, MicroPDF417, PDF417, TCIF Linked Code 39, TLC39), 4-CB (4-State Customer Barcode), Australian Post, 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 radio, 2.4GHz, WPA support

ACCESSORIES

Single Slot Cradle Kit	RFID Reader	Stylus 5-Pack
Four Slot Cradle Kit	Cable Cup	Stylus Tether
Modem Cradle Kit	Vehicle Charger	Nylon Holster
Larger Capacity Battery	Synching/Charging Cables	Adjustable Handstrap
Magnetic Stripe Reader	Battery Charger	Operating Case

SAFETY/REGULATORY

Safety	UL60950-1, CSA C22.2 No. 60950-1-03, EN60950-1:2001+A11, GS, NOM
EMI	FCC Part 15 Subpart B, EN55022:1998+A1: 2000+A2:2003, EN55024:1998+A1:2000+A2:2003, ICES-003 Issue 4, AS/NZS CISPR 22:2004
RF	FCC Part 15 Subpart C and Subpart B, EN300 328 v1.6.1 (2004-11), EN301 489-1 v1.6.1 (2005-09), EN301 489-17 v1.2.1 (2002-08), RSS 210 Issue 6, COFETEL
Hazardous Locations	UL Listing (US and Canada) Class 1, Division 2, Groups A, B, C, D

XP30 Series specifications



TECHNICAL

Operating System	Palm® OS 5.4.9 Garnet™
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 4GB 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 PDA keypad (with 4-way navigation) or 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	-4° to 122°F / -20° to 50°C
Storage Temp	-13° to 158°F / -25° to 70°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); 8,000ft-candelas (sunlight)

INTERFACE FEATURES

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

DATA CAPTURE

Imager	1D/2D 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)
WPAN	Bluetooth
WLAN	IEEE 802.11b radio, 2.4GHz, WPA support

ACCESSORIES

Single Slot Cradle Kit	RFID Reader	Stylus 5-Pack
Four Slot Cradle Kit	Cable Cup	Stylus Tether
Modem Cradle Kit	Vehicle Charger	Nylon Holster
Larger Capacity Battery	Synching/Charging Cables	Adjustable Handstrap
Magnetic Stripe Reader	Battery Charger	Operating Case

SAFETY/REGULATORY

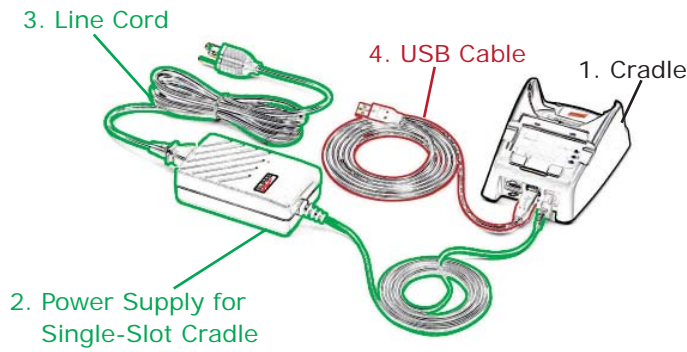
Safety	UL60950-1, CSA C22.2 No. 60950-1-03, EN60950-1:2001+A11, GS, NOM
EMI	FCC Part 15 Subpart B, EN55022:1998+A1: 2000+A2:2003, EN55024:1998+A1:2000+A2:2003, ICES-003 Issue 4, AS/NZS CISPR 22:2004
RF	FCC Part 15 Subpart C and Supart B, EN300 328 v1.6.1 (2004-11), EN301 489-1 v1.6.1 (2005-09), EN301 489-17 v1.2.1 (2002-08), RSS 210 Issue 6, COFETEL
Hazardous Locations	UL Listing (US and Canada) Class 1, Division 2, Groups A, B, C, D

XP Series vs. Industry Standard Palm OS® Products

FEATURE	XP SERIES	INDUSTRY STANDARD
Operating system	Palm OS v5.4.9	Palm OS v4.1
Size	376 cm ³	>410 cm ³
Weight	280 grams	>325 grams
Processing speed	266 MHz	33 MHz
Memory	32MB SDRAM / 64MB NAND	16MB SDRAM / 4MB ROM
Disaster recovery	"Total recall" non-volatile memory with NAND flash backup of operating system, application and user data	Not available
Data backup	User accessible mini-SD card slot supporting 128MB-4GB mini-SD cards	Not available
Display brightness	"Bright white" backlit monochrome display	Not available
Color display	Color QVGA display option	Not available
Wireless security	WiFi Protected Access (WPA)	Not available
WPAN	Bluetooth available	Not available
USB support	USB v1.1 client supporting data rate up to 12 Mbps	Not available
Keypad options	Numeric keypad available, in addition to PDA keypad	Not available
Backlit keypad	Available with 6-LED illumination	Not available
Customizable keypad	Keypad designed for easy customization	Not available
Screen navigation	Four-direction navigation keys	Not available
Vibrator	Vibrator built in for notifications in noisy environments	Not available
Standard battery capacity	Rechargeable Li-ion 1880mAh	Not available
Larger capacity battery	2x battery option available for extended battery life	Not available
Battery protection	Built-in temperature sensor to provide additional protection	Not available
Scanning versatility	Omni-directional 1D barcode scanning	Not available
Scanning options	2D barcode reading option	Not available
RoHS compliance	Fully RoHS compliant	Not available

JANAM XP SERIES Accessory Sets

Single-Slot Cradle Kit



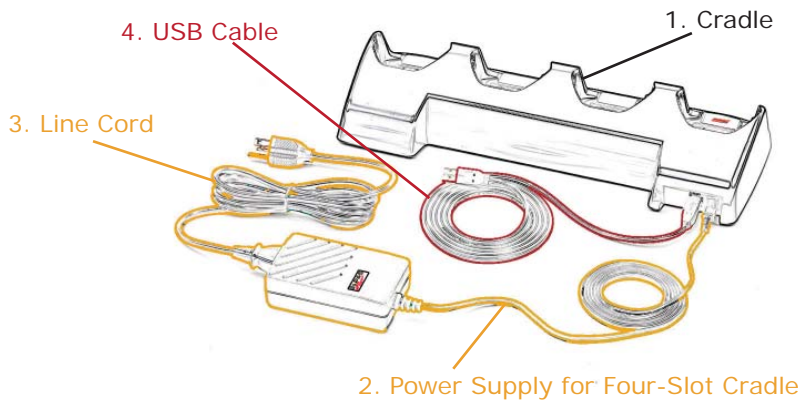
USB/Serial Single-Slot Cradle Kit (CK-XP-1S)

Includes: single-slot cradle, single-slot cradle power supply, line cord and USB cable and serial cable (not shown).

Separately orderable item:

- Power supply for single-slot cradles (PS-XP-1)

Four-Slot Cradle Kit



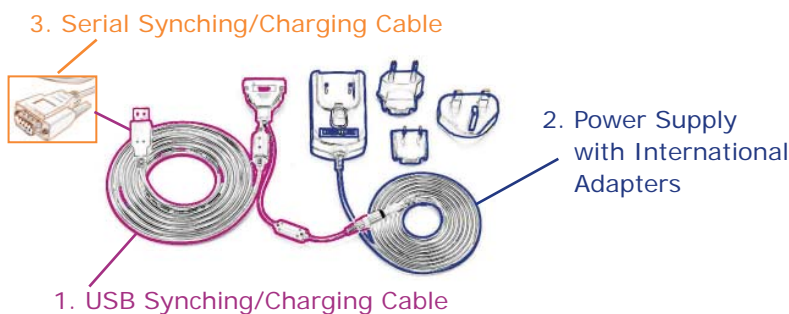
Four-Slot Cradle Kit (CK-XP-4)

Includes: four-slot cradle, four-slot cradle power supply, line cord and USB cable as shown.

Separately orderable item:

- Power supply for four-slot cradle (PS-XP-4)

Synching/Charging Cables



USB Synching/Charging Cable

Requires two separately orderable items:

- USB synching/charging cable (UC-XP-1)
- Power supply (AC-XP-1)

Serial Synching/Charging Cable

Requires two separately orderable items:

- Serial synching/charging cable (SC-XP-1)
- Power supply (AC-XP-1)

JANAM XP SERIES List Pricing

XP30 Series		
XP30N-1PCLBC00	Bluetooth, PDA keypad, Palm v5.4.9, 1D scanning, 2D scanning capability, 240x320 QVGA color, Freescale MX21-266MHz CPU, 32MB/64MB, 1880mAh battery	\$1,195
XP30W-1PCLBC00	WLAN, Bluetooth, PDA keypad, Palm v5.4.9, 1D scanning, 2D scanning capability, 240x320 QVGA color, Freescale MX21-266MHz CPU, 32MB/64MB, 1880mAh battery	\$1,295
XP30N-1NCLBC00	Bluetooth, Numeric keypad, Palm v5.4.9, 1D scanning, 2D scanning capability, 240x320 QVGA color, Freescale MX21-266MHz CPU, 32MB/64MB, 1880mAh battery	\$1,195
XP30W-1NCLBC00	WLAN, Bluetooth, Numeric keypad, Palm v5.4.9, 1D scanning, 2D scanning capability, 240x320 QVGA color, Freescale MX21-266MHz CPU, 32MB/64MB, 1880mAh battery	\$1,295

XP20 Series		
XP20N-1PMLYC00	Batch, PDA keypad, Palm v5.4.9, 1D scanning, 2D scanning capability, 160x160 mono, Freescale MX21-266MHz CPU, 32MB/64MB, 1880mAh battery	\$995
XP20W-1PMLYC00	WLAN, PDA keypad, Palm v5.4.9, 1D scanning, 2D scanning capability, 160x160 mono, Freescale MX21-266MHz CPU, 32MB/64MB, 1880mAh battery	\$1,195
XP20N-1NMLYC00	Batch, Numeric keypad, Palm v5.4.9, 1D scanning, 2D scanning capability, 160x160 mono, Freescale MX21-266MHz CPU, 32MB/64MB, 1880mAh battery	\$995
XP20W-1NMLYC00	WLAN, Numeric keypad, Palm v5.4.9, 1D scanning, 2D scanning capability, 160x160 mono, Freescale MX21-266MHz CPU, 32MB/64MB, 1880mAh battery	\$1,195

2D Scanning Firmware		
2D-XP-1	2D Decode firmware upgrade for all XP Series and XM Series Mobile Computers	\$200

Accessories

» Cradle Kits

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

» Expanded Performance

ATC-RF1-1	RFID Reader	\$195
MSR-XP-1	Magnetic Stripe Reader	\$195
CC-XP-1	Universal Cable Cup ⁶	\$95
VA-XP-1	Vehicle Charging Adapter ⁵	\$50
HL-P-001	Nylon Operating Case	\$60
HL-XP-1	Nylon Holster with Rugged Clip	\$35
SS-XP-5	Stylus Tether (5-pack)	\$20

» Cables

SC-XP-1	Serial Synching/Charging Cable ²	\$35
UC-XP-1	USB Synching/Charging Cable ²	\$30
AC-XP-1	Power Supply ⁵	\$25
CAB-DX1-1	DEX Cable (use with CC-XP-1)	\$75
CAB-ON1-1	ONeil Printer Cable (use with CC-XP-1)	\$75
CAB-ZB1-1	Zebra QL Printer Cable (use with CC-XP-1)	\$75
CAB-ZB2-1	Zebra RW Printer Cable (use with CC-XP-1)	\$75

» Batteries/Chargers

BA-XP-1	Battery (1880mAH 3.7V)	\$50
BA-XP-2	Extended Battery (3760mAH 3.7V) ³	\$95
BK-XP-1	Extended Battery Kit (with Cover) ³	\$125
BC-XP-1	Battery Charger	\$75
PS-XP-BC	Power Supply for BC-XP-1	\$45
UBC 3000	Four Station Battery Charging Base ⁴	\$110

» Spare and Replacement Items

PS-XP-1	Power Supply for CK-XP-1M & CK-XP-1S	\$65
PS-XP-4	Power Supply for CK-XP-4	\$90
HS-P-001	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.