



XP20

JANAM

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XP20 Series specifications



TECHNICAL

Operating System	Palm OS 5.4.9 Garnet
Processor	Freescall™ i.MX21 @266MHz
Memory	32MB SDRAM, 64MB NAND, NAND flash backup of OS, applications and user data
Expansion	User accessible miniSD card slot
Power	Swappable 3.7V 2000mAh rechargeable Li-ion main battery; rechargeable 20mAh Ni-MH backup battery

PHYSICAL

Dimensions	1.28" H x 3.11" W x 5.75" L / 32.5mmH x 79mmW x 146mm L
Weight	9.88oz / 280g with battery
Keypad	PDA keypad (with 4-way navigation) or numeric keypad
Display	Bright white monochrome FSTN 160x160 LCD display
Touch Panel	Analog resistance type; stylus input

ENVIRONMENTAL

Operating Temperature	14° to 122°F / -10° to 50° C
Storage Temperature	-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 across a wide 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 Symbolologies	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, GS1-128, GS1 Databar (RSS-144, RSS Limited, RSS Expanded), Interleaved 2 of 5, ISBT 128, Matrix 2 of 5, Korea Post, MSI, Plessey Code, PosiCode, , 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 Symbolologies (with firmware upgrade)	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, GS1 Data Matrix, Han Xin, ID-tag (UPU 4-State), Japanese Post, KIX (Netherlands) Post, MaxiCode, OCR, Planet Code, Postnet, QR Code

DATA COMMUNICATION

IrDA	Standard v1.2
USB	v1.1 client (up to 12Mbps)
WLAN	IEEE 802.11b/g, 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
Extended Capacity Battery	Syncing/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 I Div 2, Groups A, B, C, D