



AB700

Airport, Construction field's asset management

Series Highlights:

- Windows Embedded handheld 6.5 (Win Moblie)
- Marvell™ PXA 320 806Mhz
- Memory 512MB RAM / 512MB ROM
- RAIN RFID UHF 900MHz GEN2, ISO/IEC 18000-6C
- 2D Imager Barcode Scanner
- WLAN(IEEE802.11 b/g/a)
- Bluetooth Class II, v2.1 + EDR
- Camera with Flash I GPS

AB700

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FRONT



BACK



SIDE



UHF GUN READER

ACCESSORIES



Adaptor
AC Cable



Protection
Film



Handstrap



Cradle



GUN Handle



USB Cable



SPECIFICATION

Performance Characteristics

Processor	Marvell™ PXA 320 806MHz
Operating System	Windows Embedded handheld 6.5
Memory	512MB RAM / 512MB ROM
Display	3.5" QVGA with Backlight, TFT LCD, 240x320 Pixel, 262, 144 Color (VGA*)
Weight	290g (PDA only, without battery)
Operating Temp.	-20 °C ~ 60 °C
Storage Temp.	-30 °C ~ 70 °C
Humidity	95% non-condensing
Drop Spec.	1.5M Drop to concrete
Dust & Water Proof	IP65

Physical Characteristics

Audio	Phone Receiver, Speaker, Ear Jack, Microphone
Standard I/O Port	USB 1.1 Client / USB Host & Serial (RS-232) via gender cable or Cradle
Expansion Slot	1Micro SD Slot (SDHC), 1SIM Slot, 1SAM Slot
Notification	Vibrator and LED, Speaker
Dimensions(L x W x H)	172.7 x 88.4 x 33.4 (37.7)mm

Battery Supply

Main Battery	Lithium-Ion Polymer 3.7V 2,960mAh (Rechargeable) Up to 4,400mAh*
Backup Battery	Lithium-Ion Polymer 3.7V 80mAh (Rechargeable)
Power Adapter	Input AC110V ~ 240V / Output DC 5V 3A

Network Characteristics

WLAN	IEEE 802.11 b/g/a Compliant
Bluetooth	Class II, v2.1 + EDR
Radio	MODEM 3G (GSM / GPRS / HSDPA / HSPA+)
GPS	Internal Antenna

Data Capture Device

Barcode Engine	2D Imager Barcode Scanner
Camera	3.0 Mega Pixel Auto Focus with Flash

UHF 900 Mhz Reader

Frequency	860MHz~960MHz
Reading range	0M ~ 7M (According to Tag & Environment)
Writing range	0M ~ 3M (According to Tag & Environment)
RF output	1W EIRP
Protocol	GEN2, ISO/IEC 18000-6C
Special function	Anti-Collision

Gun Handle

Standard Interface	Gun Handle Trigger
Ethernet RF45J Interface	
RS-232C Interface	Lithium-Ion 3.7V 4,400mAh (Rechargeable)*

Cradle

Standard Interface	USB 1.1 Host / USB Client / DC Power Jack / Extra Battery Charger / Serial (RS232) via gender cable
Ethernet Interface	RJ-45 Ethernet Interface*
Gun Handle Battery	RS-232C Interface

Impinjing Part Number

IPJ-HHAB700-US-WMB	WLAN, Bluetooth, 2D Barcode scanner, UHF RFID, Gun and Gun battery, Cradle without Ethernet, HSPA+, GPS, Camera with Flash
IPJ-HHAB700-EU-WMB	