General Specifications

Model	PA-100	PA-110
System		
CPU	MARVELL CPU PXA310 806 MHz	
Operating System	Microsoft Windows CE .NET 6.0 Professional	
Memory	256 MB RAM, 256 MB ROM	
Extension	Micro SD card	
Display	Low Power Transflective TFT 24bits color LCD, 240 x 320 with touch panel	
Keypad	29 keys or 44 keys with backlight	
Data capture		
Scanner System	Laser scan engine / Area imager	2D scan engine
Symbologies	Supported all popular linear barcodes included GS1 databar, Code 39, Code 93, Codabar, Code 128, UPC A, UPC E, Interleaved 2/5,Matrix 2/5, MSI/Plessey, UK/Plessey, Telepen, UPCA,UPCE, Code 11,EAN-8,EAN-13,Industrial 2/5	
		2D Matrix symbologies included Data Matrix , Maxicode, QR code, Aztec Barcode OCR- fonts included OCR-A and OCR-B
	RFID HF: ISO 15693R/W, ISO 14443A/B	
Camera	5-M pixel	
Communcation		
Wireless Radio Options	WPAN :Bluetooth Class 2, version 2.0 WLAN: 802.11b/g Wi-Fi WWAN: GPRS / EDGE GPS: SiRF star IV	
Interface	USB 2.0 and RS-232	
Software		
Programming Tools	Embedded Visual C++ 4.0, Visual Studio. NET, Visual Studio 2005, Windows CE SDK Scanner Configuration Utility	
Third Party	CETerm	
Physical and Environmental		
Dimensions	159 mm (L) * 80.8mm (W) * 36mm (H)	
Weight	Approx. 380 g (battery included)	
Audio	Speaker and Microphone	
Battery	Rechargeable Li-polymer Battery 3900mAH, 3.7Vdc	
Operation Temperature	-10~50ºC	
Storage Temperature	-20~70ºC	
Battery Charging Temperature	0~40ºC	
Humidity	Max 80% RH at ≤ 30ºC	
Drop Specifications	1.8 meters to concrete (Handset), 0.9 meters to concrete (Cradle)	
Electrostatic Discharge	±15kV air discharge, ±8kV direct discharge	
Sealing Rate	IP65 completely sealed against dust and water	
Peripherals and Accessories		
Communication and Charging Cables	ActiveSync Serial / USB cable with charging	
Battery Charger	Device cradle with single slot battery compartment, Four-slot charger	
Other	Pistol Grip, Carry case, Vehicle dock	

Specifications subject to change without notice

CAUTION
LASER LIGHT—
DO NOT STARE INTO BEAM
630nm-680nm LASER
1.8 MILLIWATT MAX. OUTPUT
CLASS II LASER PRODUCT

Powered by
Windows® Embedded
BlueTooth
WiFi
RFiD
GPRS
edge

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PA-100 Series
A superior industrial-class mobile computer
for rugged field mobility applications.

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The Argox PA-100 Series
Your Mobile Partner in the Field

A mobile computer needs to deliver more than specifications, options and features. You need a rugged device that can partner with your workforce to increase their effectiveness and efficiency. Their productivity affects the direction of your sales, customer satisfaction, and overall costs. The PA-100 series mobile computer offers superior reliability, ROI, and TCO and works seamlessly with your field workforce to deliver enhanced productivity, which is what you really need to drive your business.

The Argox PA-100 mobile computer is a winner of the 2011 Taiwan Excellence Award, and proudly displays the Taiwan Symbol of Excellence, which represents the most innovative and highest quality products made in Taiwan.

A rugged mobile computer system:
Bringing you advanced design, rich features, user comfort, and superior performance

The new PA-100 series is a milestone for the Argox line of mobile computers, combining contemporary system architecture, superior performance and outstanding reliability. Argox has invested great effort and resources to understanding your business, the daily needs of your workforce, and ways to improve the efficiency and effectiveness of your mobile tasks. Leveraging the success of our PT-60 series, Argox has integrated application solutions, hardware system flexibility, and human factor considerations to develop the PA-100. Delivering more processing power and intelligent features, the PA-100 series remains light and comfortable in the user's hand. The PA-100 tightly links your field workforce with your head office. Optional accessories make the new PA-100 series the perfect partner for your workers in the field, no matter if they're in a moving vehicle or working from a bench.

Rugged
A robust and rugged companion

Aimed at harsh and demanding application environments, the PA-100 series is designed to handle the drops and bumps that often occur during mobile applications. For tasks in the rain or in dusty fields, the PA-100 series' IP65 sealing provides the consistent quality and performance needed to complete your workers' tasks. Sealed to survive immersion in water, the PA-100 series offers peace of mind as it secures your work data even if it's dropped in water.

Versatile

Mobile data collection applications require versatility. The keypad's ease-of-use is a critical factor that affects the efficiency of mobile data collection. Proper key counts, key pitches, and key sizes are closely linked with key placement for maximum simplicity and accuracy. The PA-100 series offers two types of keypad, 44-key and 29-key, for different application demands.

Convertible

The PA-100 series easily converts from retail to warehouse applications. Simply install the optional pistol-grip onto the standard PA-100 series using a Philips screwdriver. Inside the pistol-grip there is a large capacity 5,000mAH Li-ion battery pack for extended work hours and busy shifts.
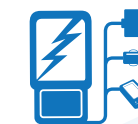
Green-Power

To eliminate excess power consumption and meet global energy-saving and environmental concerns, the PA-100 series' design team has developed an efficient power management design. The PA-100 enters suspend mode automatically if left unused for a period of time without keypad activity or cradle insertions. This extends the working hours of the main battery and longer battery life lowers environmental impact. The PA-100 series is built with all RoHS- and REACH- compliant materials and parts. The PA-100 series works with you to protect our environment and planet.

Capture

In the mobile data collection field, there are various types of data to be captured: 1-D barcodes, 2-D barcodes, images, and RFID tags. To meet the requirements of different applications, the PA-100 series implements various data entry modules. Offering outstanding sensitivity and accuracy, the data collection performance of the PA-100 series is your key to improving the efficiency or your workers in the field.

Fits

The PA-100 series offers a line of accessories to fit the needs of your field workforce. For battery charging, Argox offers a cradle charger, a vehicle charger, and a charging cable. To protect the PA-100 series from accidental drops, a holster with shoulder strap eases the strain of holding the PA-100 for extended periods of time. For managing multiple units of the PA-100 series, a 4-slot battery charger is available for charging convenience. The optional pistol-grip is designed for installation in the field and for adding battery capacity and providing convenience for scanning intensive tasks.

Perform

Using the powerful Marvell PXA310@ 806MHz CPU, the PA-100 series runs the Windows CE.NET 6.X operating system with outstanding power economy. The PA-100 series has 256MB ROM and 256 MB RAM memory for taking on a wide range of applications. With Bluetooth and WLAN communication the PA-100 series puts contacting other devices and long range connections at your fingertips. Location based applications are possible via an optional GPS feature and image capture uses an embedded 5M Pixel camera module with high resolution and quality. To meet the demand for 2-D barcode used in various large-scale government applications, the PA-100 series comes with a high performance 2-D imager which outperforms many competitive readers. Providing fast file transfer for logistics and transportation applications, a high performance GPRS/Telnet module is another robust feature of the PA-100 series.