PT-90

A superior industrial-class mobile computer:
Brighten the paths for rugged field mobility applications.

The Argox PT-90 series:
Helping Hands in Field Mobility

Need helping hands for your field workers? You need more than just stacks of specifications, options, and features. You need a rugged device performs and delivers what you really need. To maintain this device together with other mobile equipment, you need superior reliability, ROI, and TCO. PT-90 series offer a wide variety of models to serve your needs in different application sites (warehouse, shipping dock, factory, labs, truck fleet, ---etc) but are all based on the same platform. Different keypad layouts and different data capture devices fit PT-90 series seamlessly into your daily work needs with just the right cost, not one penny more, not one penny less!generation of advanced industrial barcode printers.

A rugged mobile computer system:
One big step ahead bringing you advanced design, users' comfort, fruitful features, and superior performance

Throughout these years, Argox has invested great efforts and resources to understand your business, your daily needs at work, and your resources available to improve the efficiency and upgrade your mobile tasks. To leverage the great market achievement made by our PT-60 series, Argox has integrated various application demands, hardware system flexibilities, and human factor considerations to come up with the new PT-90 series. As the milestone marked the serious commitments Argox made to stand behind all of our mobile computer lines, PT-90 series has also been recognized as the flagship of Argox mobile computers. Introducing not only the contemporary system architecture, superior performance and firm reliability make PT-90 series a new option to the field mobile applications world. With PT-90 series, you will never have any surprise but only need to expect what you should have to come. More processing power and intelligence have driven PT-90 series on the data communication freeway. Lighter and comfortable in user's palm, PT-90 series tightly link your work force in the field with your headquarter office. Various accessories have given the final touch to the new PT-90 series, from a moving vehicle to the working bench, and make it a perfect partner to your workforce.

Rugged
Robust Industrial rugged structure

Aiming at harsh and demanding application environment, the PT-90 series is designed to face and handle drops and bumps happened everywhere in mobile applications. For tasks out in the rain or dusty field, IP65 sealing design makes PT-90 series safely completing the mission with consistent quality and performance. Sealed to survive immersion in water, tasks in the city sewage can be conducted with peace of mind because the PT-90 series will strongly secure your working data even if been dropped in the water.

Versatile

The intrinsic characteristic of mobile data collection applications is versatile. For keypad layout, the requirements vary from full alphanumeric to cellphone-like numeric. The critical factor affecting the efficiency of mobile data collection is the ease of use of the keypad. Proper key counts, key pitches, and key sizes are closely linked with key placement for maximized simplicity and accuracy. PT-90 series offers three types (44-keys and 29-keys) of keypad for different application demands. Performing on the same superior platform, PT-90 series knows your actual demands.

Transforms

To transfer a retail application used PT-90 series to the warehouse for intensive data capture application is easy as 1-2-3. Offering strong structure and simple mechanical design, user can easily install an optional pistol-grip onto the standard PT-90 series mobile computer in the back office with a Philips screw driver. Within the pistol-grip, there is a large capacity (4,400mAH) Li-ion battery pack to give extended working hours for heavily loaded shifts.

Green-Power

To eliminate extra power consumption and meet the global Power-Saving and environmental concerns, the design team of PT-90 series has applied the best ever experiences on the power management design. While maintaining sensitive alert mechanism triggered by keypad activities or cradle insertion moves, the PT-90 will enter suspend mode automatically if it has been left unused for an extended period of time. This will not only extend the working hours of the main battery, less frequent charging will also extend the battery life to lower the environmental pollution thus caused. PT-90 series is built with all RoHS- and REACH-compliant material and parts. To save our environment and earth, PT-90 series is working with all of us closely hand in hand.

Capture

In the mobile data collection field, there are various data to be captured: 1-D barcode, 2-D barcode, image, and RFID tag. To meet requirements in different applications, the design PT-90 series has been implemented with various data entry modules. With outstanding sensitivity and accuracy, sharp as Eagle's eyes, performance of data collection on PT-90 series is the first key to improve your field mobile application efficiency.

Fits

To complement any mobile application in the field, it takes more than just the mobile computer itself. PT-90 series offer a line of accessories to make PT-90 series more friendly so it fits in your field work force nicely. To charge PT-90 series, Argox offers in cradle charging, vehicle charger, and communication charging cable. To protect PT-90 series from accidental dropping, a protective holster with shoulder strap is available to ease the stress of the user from long time palm holding. To effectively manage multiple units of PT-90 series in the enterprise, a 4-slot battery charger is available to make the IT manager's life easier. An optional pistol-grip is designed for field installation to give extended battery capacity and scanning intensive convenience.

Perform

Mounted with powerful Marvell PXA310 806MHz engine, the PT-90 series are running with the best fuel economy Windows CE.NET 6.X operating system. With rich 256MB ROM and 256 MB RAM, the PT-90 series can easily take off with virtually any kind of applications. Linked with Bluetooth and WLAN communication gadget, in reach task with other devices and long range connections are both at your finger tips. Location based applications are made possible via optional GPS feature and image capture will be taken care of by the 3-M Pixel camera module embedded with great resolution and quality. To meet the 2-D barcode trends in various scale governmental application demands, PT-90 series is implemented with high performance 2-D imager which outperforms many competitive readers. Providing fast track on file transfer for logistics and transportation applications, high performance GPRS/Telnet module will be another expansion on the PT-90 series.

General Specifications

Model	PT-90 Mobile Computer
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
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 OCR- fonts included OCR-A and OCR-B
RFID HF	ISO 15693R/W, ISO 14443A/B
Camera	3-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 III
Interface	USB 2.0 client 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
Perioherals 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
1.0 MILLIWATT MAX. OUTPUT
CLASS II LASER PRODUCT

Powered by
Windows® Embedded
BlueTooth
WiFi
RFiD
GPRS
edge

ARGOX
Empower the Barcode
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