

Itron FC300

Handheld

Introduction

FC300

Itron's next generation of rugged handheld computer designed specifically for the utility industry is here. Built from the ground up and backed by Itron's 30 years of handheld experience, the Field Collector 300 (FC300) handheld computer offers fast and efficient production from the field with state-of-the-art mobile processing power. Able to withstand the rigors of continuous field work, the FC300 is built to military specifications for ruggedness. Communications flexibility is built-in to the FC300 by integrating multiple wireless communication technologies. GPS and an imager are additional features that set the FC300 apart.

When looking for a handheld computer that excels at maintenance and reading of all electric, gas and water meters as well as other tasks, the FC300 is truly an all-in-one utility automation tool.

Specifications

Operating System

- > Windows CE 5.0 Professional

Processor

- > Marvel PXA320 @ 806 MHz

Memory

- > 512 MB SD card, standard
- > 128 MB RAM for program execution
- > 128 MB Flash memory for OS

Display

- > 3.7" (93.98 mm)
- > 1/4 VGA 320 X 240 pixel LCD Color TFT capable of 16-bit color (65,536 colors)
- > Sunlight readable

Touchscreen

- > Resistive touchscreen allows the use of finger or passive stylus

Keypad

- > Backlit 51 Key alphanumeric keypad, including navigation keys
- > Large primary keys

GPS (order option)

- > Built-in GPS receiver

Integrated SRead Radio (order option for North America)

- > 16 MHz wide receiver for receiving Itron ERTs and meters with RF technology
- > Advanced interference rejection technology for noisy RF environments
- > 80 channel receiver for improved reading performance

Integrated RF Master 433 RADIAN Radio (order option for Europe, Australia and New Zealand)

- > RADIAN protocol compatible
- > 433.82 MHz receiver for receiving Itron RADIAN ERTs and meters with RF Technology, Modulation: FSK
- > ERP ≤ 10mW

Flashlight

- > Built-in LED flashlight located at the top of the handheld

Ports

- > USB host and client port
- > Serial port (Hiroshi connector for probing)
- > Powered serial bottom port
- > 10/100 Ethernet port

Batteries

- > Lithium Ion rechargeable battery pack (2500 mAh)
- > Internal clock backup battery (5 year life)
- > Back-up battery for hot swapping of batteries



Specifications

Audio

- > Integrated speaker
- > Built-in microphone

Integrated Wireless Data

Communications

- > GSM/GPRS wireless WAN (optional)
- > 802.11b/g wireless LAN (optional)
- > Bluetooth 2.0 + EDR Class 2 Radio

Vibration Feedback

- > Built-in vibration device for warning notifications

Imager/Barcode Scanner (order option)

- > Built-in imager for linear and 2D barcode scanning
- > Monochrome camera for image capture

Case

- > Impact resistant plastic case
- > Rubberized over mold on all impact areas for added protection

Dimensions

- > Length: 9.94" (25.2 cm)
- > Width: 3.86" (9.8 cm)
- > Depth: 2.79" (7.1 cm)

Weight

- > FC300 (base configuration): 31 oz (879 g) including batteries

Operating Temperature

- > -4°F to 140°F (-20°C to 60°C)

Storage Temperature

- > -40°F to 160°F (-40°C to 71°C)

Docking Station Options

- > Single desk dock (ethernet, USB and serial connectivity, additional spare battery charger)
- > Multi-dock (5 unit)- ethernet connection only (daisy chain capability)
- > Vehicle dock - I/O connectors

Environmental Standards

- > Shock resistance exceeds Mil. Std. 810F
- > Vibration immunity to Mil. Std. 810F
- > Sealing for dust and water - IP 67 (with and without battery installed)

Warranty

- > 1 year comprehensive warranty
- > Annual maintenance program available

About Itron Inc.

Itron Inc. is a leading technology provider to the global energy and water industries. Our company is the world's leading provider of intelligent metering, data collection and utility software solutions, with nearly 8,000 utilities worldwide relying on our technology to optimize the delivery and use of energy and water. Our products include electricity, gas, water and heat meters; data collection and communication systems, including automated meter reading (AMR) and advanced metering infrastructure (AMI); meter data management and related software applications; as well as project management, installation, and consulting services. To know more, start here: www.itron.com.



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