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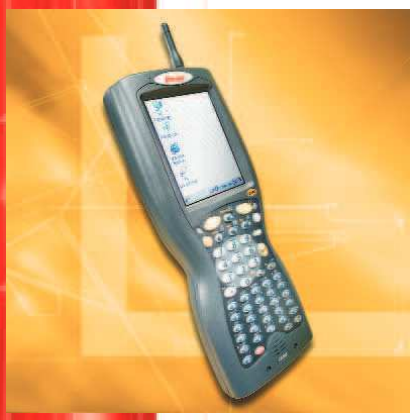
Itron

Knowledge to Shape Your Future



Itron FC200

functionality profile

FC200

Step into advanced reading with the Itron Field Collector 200 handheld computer. The Field Collector 200 handheld was designed to provide the utility market with the flexibility offered by the Microsoft® Windows CE.NET operating system. The handheld offers a whole new paradigm in meter reading/field service mobile hardware solutions.

The Itron Field Collector 200 is a versatile, ergonomic, ultra-rugged, and environmentally immune handheld computer running Windows CE.NET operating system from Microsoft. Designed from the ground up to be as rugged as they come, the Field Collector 200 handheld computing solution is ideal for meter readers and mobile workforces that operate in demanding, mission-critical environments. It boasts the best drop specification, operating temperature range and sealing rating in the industry (IP-67). Inside the rugged, sealed enclosure system is an XScale® 400 MHz processor from Intel that enables powerful processing for high performance CE-based applications.

A multitude of standard interfaces (including serial, USB, infrared, Ethernet), and the ability to integrate 802.11B wireless LAN/Bluetooth and Wireless Wan technology into the unit simultaneously, enables the FC200 to be configured for a variety of computing applications including asset management, inspections and field service management.

Advanced Radio Technology

The FC200SR is equipped with Itron SRead radio technology, the industry's leading radio technology available today, which greatly enhances automatic meter reading performance and efficiency. The SRead radio has improved receiver sensitivity and listens across 16MHz and uses 80 channels to capture more endpoint transmissions than previously possible.

The FC200SR is compatible with the following Itron collection software, MV-RS® and Field Collection System (FCS), as well as Service-Link workforce management software, and programming software Endpoint Link® and Endpoint Link® Pro.

specifications

Operating System
- Microsoft Windows CE.NET 4.2

Processor
- 400 MHz Intel XScale processor

Memory
- 128 MB DRAM
- 512 MB compact flash

Screen
- 3.7 (93.98 mm)
- 1/4 VGA 320 x 240 pixel LCD Color Display
- Outdoor viewable transflective touch screen

Keypad
- Backlit 52 key alpha-numeric keypad, including navigation keys

Weight
- FC200: 28 oz. (798 g) including batteries
- FC200SR: 32 oz. (916 g) including batteries

Integrated Wireless Communications
- GSM/GPRS
- 802.11B Wireless LAN/Class II Bluetooth Combo
- CDMA 1xRTT

Case
- Upper case: impact resistant plastic
- Lower case: magnesium alloy with integral back-strap

Pen & Touchscreen
- Resistive touchscreen allows use of finger or passive pen

Dimensions
- Length: 9.6 (24.3 cm)
- Width: 4 (10.1 cm)
- Depth: 2.1 (5.4 cm)

Operating Temperature
- -4 F to 140 F (-21 C to 60 C)

Storage Temperature
- -60 F to 160 F (-51 C to 71 C)

Data Storage
- User accessible, non-volatile Type 1 Compact Flash card for application and data storage

Display Controller
- High performance dedicated video controller

Serial Ports
- RS232 COM1 (26 pin) serial port and COM4 Hirose (12 pin) serial port

Batteries
- Lithium Ion rechargeable pack (3,000 mAH)

FC200SR

FC200

specifications

> Rechargeable coin cell backup battery (up to 24hrs)

Audio

> Integrated microphone and speaker
> Headset jack

Infrared

> Industry-standard IrDA interface (FIR 1.1 □115 kbps)

Docking Station Options

> Desk Dock (Serial or USB communications only)
> Expanded Desk Dock with secondary battery charger (Ethernet, USB and Serial communications)
> 6-Unit Multi-drop Desk Dock (Ethernet communications only)
> Vehicle Dock

Sealing

> Protected from the effects of immersion up to 1m, per IP-67

Shock

> Multiple 78□(2 meter) drops onto concrete

Environmental Standards

> MIL STD 810F
> IP-67

Regulatory Approvals

> Safety: USA UL 60950; CSA 22.2 No. 60950 ITE; Europe IEC 60950 ITE
> Emission: USA CFR 47 FCC Part 15, Class B; Canada ICES 03 Class B; Europe CE mark EN 55022 Class B
> Immunity: Europe CE mark EN 55024
> Radio: USA CFR 47 radio-specific for selected part; Canada RSS radio-specific for sections; Europe R&TTE

SRead Radio

> Radio fully enclosed in FC200 case
> Operates in 16MHz bandwidth, compatible with all Itron ERTs and endpoints
> 80 channel receiver
> Full duplex radio

Markings

> CE Marked
> FCC
> CSA

Warranty

> 1 year comprehensive warranty

Expanded Desk Dock

Vehicle Dock

Multi-drop
Desk Dock

profile

Itron Inc.

Itron is a leading technology provider and critical source of knowledge to the global energy and water industries. Itron operates in two divisions; as Itron in North America and as Actaris outside of North America. Our combined company is the world's leading provider of metering, data collection and software solutions, with nearly 8,000 utilities worldwide relying on our technology to optimize the delivery and use of energy and water. Itron delivers industry leading solutions for electricity, gas and water meters; data collection and communication systems, including automated meter reading (AMR) and advanced metering infrastructure (AMI); meter data management and utility software applications; as well as comprehensive project management, installation, and consulting services.

To know more, start here: www.itron.com

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