

MOBILE DATA TERMINAL

Specifications*



MC602

Model

- MC602

Platform

- 32bits 624 MHz Processor
- 1 GB ROM, 256 MB RAM

Operating System

- Microsoft® Windows® CE 6



Wireless Communication

Optional expansion modules for:

- WWAN: GPRS/GSM 900/1800 and 1900MHz
- WLAN IEEE802.11b/g for 2.4GHz
- Security: WPA2, WEP(40 or 128bit), TKIP, TLS, TTLS(MS-CHAP), TTLS(MS-CHAP V2), TTLS(CHAP), TTLS-MD5, TTLS-PAP, PEAP-TLS, PEAP(MS-CHAP V2), AES and LEAP
- Direct Sequence Spectrum Spreading (DSSS) and Orthogonal Frequency Division Multiplexing (OFDM)
- Antenna: Built-In PIFA antenna
- Note: All expansion modules are available factory configured or user installable



Barcode Applications

- ID laser scanning in standard range, long range and auto range configurations
- 1D linear imager
- 2D area imager
- Optional bolt-on pistol grip
- Note: All expansion modules are available factory configured or user installable



RFID Module Options

- HF module
Frequency: 13.56 MHz
Tags supported: ISO 15693, Philips® ICode™; TI Tagit™;
Read/write range up to: 3.15 in (8 cm)
- MIFARE™ module
Frequency: 13.56 MHz
Tags supported: ISO 14443 A&B, MIFARE
Read/write range up to: 1.97 in (5 cm)
- LF module
Frequency: 125 kHz, 134.2 kHz
Tags supported: EM 4x0x, EM 4x50; Hitag 1 & 2; ISO HDXA & FDXB
Read/write range up to: 2.76 in (7 cm)

User Interface

- Screen : 3.2 in QVGA transmissive color display with backlight
 - TFT-LCD, 65K colors
 - 240w x 320 (QVGA size)
 - Touch panel : Glass analog resistive touch
 - Backlight : LED backlight
- ## Input Method
- Stylus is standard configuration
 - 31 soft silica gel keys, 5 shortcut function keys, personalized key that performs scanning on the side
 - Audio : speaker, receiver, software supporting full duplex recording and playing (stereo)
 - Loudspeaker : 0.5w
 - Indicator : wireless transmission/reception, scanning, power/charging

Development Environment

- .NET and C++ programming using Microsoft Visual Studio® 2005
- Standard Protocol APIs Windows sockets (CE.net)



Communication & Charging

- Serial and USB1.1 charging cable, printer cable, car charging cable, power/charging cables
- Battery charger : single-slot battery charger, universal battery charger
- Vertical-specific attachments :
Snap-on magnetic stripe reader, snap-on trigger handle, rigid case

Devices to be Connected

- Mini printer, sensors, contact-type IC card Reader/Writer module, UHF Reader/Writer module and so on.

Expansion Slots

- UART slot (with safety guard) that users can install
- Supports SAM, SIM, TF Cards
- Alert: Vibrators(two), LED and voice
- Camera: 30W pixels camera
- One Type II CF card slot

Power Management

- Optional 3.7V, 3300 mAh high-capacity battery
stand-by time 150 hours
Time of scanning each single charge 5000 times
- Optional 3.7V, 4400 mAh superhigh-capacity battery
- Rechargeable, user replaceable backup battery pack

Environmental

- Withstands multiple drops from 5 ft (1.5 m) to concrete
- Rain/dust: IP64
- Operating temperature: -4°F to 122°F (-20°C to +50°C)
- 5%-95% RH non-condensing
- Storage temperature: -13°F to 158°F (-25°C to +70°C)
- Rolling : 1000times, 0.5 meter, rollong by sux contact surfaces

Physical Parameters

- 186.5(L)mm x 75(W)mm x 31(H)mm (configured with standard battery)
- 186.5(L)mm x 75(W)mm x 38.9(H)mm (4400mAH battery)
- Weight (with standard battery) 400 g

Approvals

- RF: FCC Part 15.247, 15.205 15.209 15.203 15.407 15.207, EN 300 328
- EMC: FCC Part 15 Class B

A complete list of accessories is available at: www.acentech.net



GREEN TECHNOLOGY

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