

General Description

Thanks to its exceptional features and flexibility, Minec 4x is the ideal solution for typical warehousing applications in the retail market and manufacturing industry. It also satisfies specific applications in the transportation and logistics sector.

Minec 4x is a hand-held computer specifically designed for professional data collection. Equipped with a large graphic display and a practical 27-key backlit alphanumeric keyboard, this terminal offers the user top performance to solve both simple and complex applications. Ergonomic, lightweight and rugged, the Minec 4x unit also takes advantage of all the benefits gained by the standard Windows CE architecture. In fact, the standard graphic interface of this operating system permits the terminal to be used in a very intuitive way. Program development is provided by Windows CE standard tools (in either Visual Basic or C++ languages) which makes it possible to develop a solution quickly, according to the end-user's needs.

Minec 4x offers a wide range of models and accessories to satisfy both the most common barcode data capture requirements and the most challenging RFID solutions. Moreover, in order to exploit all the benefits of complete mobility both in small and large areas, Minec 4x provides standard WLAN IEEE802.11b (Wi-Fi) radio communication.

Minec 4x offers a unique combination of flexibility, reliability and ease of use for professional data capture computing and communication with an excellent price/performance ratio.

Features

- > Windows CE Operating System
- > WLAN IEEE802.11b (Wi-Fi) wireless communication
- > RFID HF-ISO 13.56 MHz standard tags
- > Large high visibility graphic display
- > Ergonomic, lightweight and robust
- > 1.5 m drop, IP64 protection class

Applications

- > Warehouse management
- > Goods shipping/receiving
- > Inventory
- > Picking
- > RFID data collection



Minec 4x Hand-Held Windows CE Terminal

Specifications

Accessories & Options

PHYSICAL CHARACTERISTICS

DIMENSIONS 225 mm (8.86 in) x 25 mm (0.98 in) ((depth at display level: 45 mm

(1.77 in)) x 58 mm (2.28 in) ((width at display level: 85 mm (3.35 in))

WEIGHT* 310 g (11 oz) incl. battery

DISPLAY 240 x 160 pixels, max 20 lines of 30 characters. 8 lines of

> 20 characters at default cell size; monochrome transflective EL backlit, fully graphic LCD screen, adjustable contrast; active

viewing area 58 x 38 mm

KEYBOARD 27 rubber keys; scan key is also cursor control key; backlit

keyboard standard

OPERATING TEMPERATURE $-20 \, ^{\circ}\text{C}$ (-4 $^{\circ}\text{F}$) to $+55 \, ^{\circ}\text{C}$ (131 $^{\circ}\text{F}$) STORAGE TEMPERATURE $-30 \, ^{\circ}\text{C} \, (-22 \, ^{\circ}\text{F} \,) \, \text{to} \, +60 \, ^{\circ}\text{C} \, (140 \, ^{\circ}\text{F} \,)$

DROP RESISTANCE Withstands drops from 1.5 meters (5 ft) onto concrete

ENVIRONMENTAL SEALING IP64 standard for water and dust resistance

PERFORMANCE

OPERATING SYSTEM Windows™ CE 3.0 MICROPROCESSOR MiPS architecture 66 MHz

SYSTEM MEMORY**

RAM 16 MB containing disk and executing area FLASH 32 MB containing disk and operating system

SOUND Internal buzzer, programmable frequency and duration LED Red diode indicates battery recharging; green diode can be

application programmed Real-time clock with alarm RTC

COMMUNICATIONS

INTERFACES IrDA (115 kbps)

NFTWORK Wireless LAN IEEE802.11b (Wi-Fi)

POWER MANAGEMENT

POWER SUPPLY Li-Ion battery pack 3.7 V. 1800 mAh

DURATION 8 hours a day for up to one week with common barcode

scanning depending on the application

SCANNER AND BARCODE CHARACTERISTICS

LIGHT SOURCE Visible Laser Diode 650 nm

35 (\pm 5) scans/sec SCAN RATE

SCAN ANGLE $42^{\circ}\pm2^{\circ}$

SYMBOLOGIES UPC/EAN, Code 128, Code 39, Code 93, I 2 of 5, Discrete 2 of 5,

Codabar, MSI UCC/EAN 128, TriOptic Code 39

LASER CLASSIFICATION CDRH/IEC Class II

RFID CHARACTERISTICS

OPERATING FREQUENCY 13.56 MHz

RFID TAGS ISO15693, Gemplus FOLIO, Inside PicoTag, Omron V720,

Philips I.CODE, Microchip MCRF355, MCRF360 and Texas

Instruments™RFID Tag-it

OPERATING RANGE Up to 10 cm

ACCESSORIES

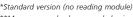
ACCESSORIES Docking cradle with RS232 connection for data transfer and

battery charging; backstrap; leather case

AVAILABLE SOFTWARE TOOLS

APPLICATION DEVELOPMENT C++ or Visual Basic

TERMINAL EMULATION VT100, VT220 and IBM5250



^{**}Memory can also be expanded using a Compact Flash card





Various data collection options

Applications



RFID data collection



Warehouse management



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