

Multifunctional Handheld Computer O-MAX P03

High Industrial-Class, Multi-modules Customized, Multifunction Rugged Handheld Data Terminal



White color without Pistol Grip



Black color Pistol Grip



Fingerprint reader



Features

Description

“ALL IN ONE” Design

Optional modules including 1D/2D barcode scanning, RFID read/write, Fingerprint authentication, WiFi/GPRS/Bluetooth communication, GPS positioning and Camera image capturing.

More Rugged with Higher Industrial Standard

IP 64 Industrial-Class for Main device body, 1.5m drop test for Main device body

Expansibility & Customization

Various data acquisition modes such as fingerprint, barcode scan, RFID reading can help you to implement mostly industries or enterprises application.



Physical characteristics

Dimensions: 153*75*29 mm for main device body

Weight: 330 g without Pistol grip

Display Screen: 3.5" QVGA backlight TFT-LCD, 65 K colors. 240 x 320 (QVGA size)

Backlight: LED backlight

Battery: rechargeable li-ion polymer battery (3.7 V/3,200 mAh)

Expansion slots: SIM/PSAM, Micro SD (TF) card

Indicator: LED

Input method: touch input and keyboard input

Audio: 0.5 watt

Keyboard: 41 silica gel buttons and 3 side buttons

Programming environment

VB.NET, C# and C++ programming using Microsoft Visual Studio 2005&2008

Software Development Kits (SDK) provided

Operating system

Windows Embedded CE 6.0

Environmental

Operating temperature: -10 °C ~ 50 °C

Storage temperature: -40 °C ~ 70 °C

Humidity: 5% RH ~ 95% RH (non-condensing)

Dropping survive: 1.5-meter drop test on six sides for Main device body

Rolling survive: 1,000 times, 0.5 meter, rolling by six contact surfaces for Main device body

Environmental sealing: IP64 Main device body

Performance

CPU: Freescale 800MHz

Memory: 256MB RAM/4GB iNAND FLASH

Expansion Memory: Support max 32G TF Card

Interfaces: USB 2.0, DC port



Fingerprint (Option)

Sensor type: Capacitive type

Function: fingerprint enrollment, process, compare

Performance: FRR < 0.1%; FAR < 0.001%

Math time (1:1) : < 0.1 sec

Math time (1:N) : < 0.5 sec



1D laser scanner (Optional)

Brand: Symbol SE955

Types: UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Codabar, MSI, RSS



2D scan engine (Optional)

Brand: Symbol SE4500

Types: **1D:** all major codes; **2D:** PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; etc.



LF (Optional)

Operating frequency: 125 kHz, 134.2 kHz

Protocol: ISO18000-2, ISO11784, ISO11785

Read/write range up to: 3.15 in (8cm)

HF (Optional)

Operating frequency: 13.56 MHz

Protocol: ISO14443A/B, 15693 (optional)

Read/write range up to: 3.15 in (8 cm)

UHF (Optional)

Operating frequency (optional)

China: 920 ~ 925 MHz

Europe: 865 ~ 868 MHz (ETSI EN 302 208)

Protocol: EPC, GEN2/ISO18000-6C

Read range up to: 98.425 in (250 cm)

Antenna: 3dBi

Power: +10dBm ~ +30dBm



Wireless WAN (Optional)

Network (WWAN): Wavecom

GPRS/GSM

850/900/1800/1900 MHz



Wireless LAN

WiFi: muRata IEEE802.11b/g



Wireless PAN

Bluetooth: Class II, 3-5 M



PSAM (Optional)

Baud rate: 9600, 19200, 38400, 43000, 56000, 57600, 115200



GPS (Optional)

Module: u-blox NEO-5Q

Performance: 50-channel u-blox 5 positioning engine, Internal GPS



Camera (Optional)

5.0MP Resolution

Automatic focus

Accessories

Standard: battery, charger/adaptor, data cables, stylus, protective film

Optional: cradle, thermal printer, pistol

[Refer to Accessories Appendix](#)

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