

Multifunctional Handheld Computer O-MAX P04

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



UHF RFID Reader



Handheld Barcode reader with Pistol Grip version picture



Fingerprint reader

Features

Description

“ALL IN ONE”
Design

Optional function including 1D/2D barcode scanning, RFID read/write, Fingerprint authentication, WiFi/GPRS/3G WCDMA/Bluetooth communication, GPS positioning and Camera image capturing.

More Rugged with Higher
Industrial Standard

IP 64 Industrial-Class for Main device body, 1.2m 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.



Parameters

Physical characteristics

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

Weight: 286 g without Pistol grip

Display Screen: 4" WVGA backlight 480 x 800

TFT-LCD, capacitive dual touch

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

Optional Pistol battery (5200mAh) with Pistol grip

Expansion slots: SIM, Micro SD (TF) card

Indicator: LED

Input method: touch input and keyboard input

Audio: 0.5W speaker, Built-in microphone

Keyboard: 3 Function buttons and 3 side buttons

Programming environment

Programming environment/Tool: Eclipse

Language: Java

Software Development Kits (SDK) provided

Operating system

Android 4.4.2 With English OS

Environmental

Operating temperature: -10 °C ~ 50 °C

Storage temperature: -40 °C ~ 70 °C

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

Dropping survive: 1.2-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 for Main device body

Performance

CPU: Cortex-A7 1.3GHz Quad Core

Memory: 1G RAM/4GB FLASH

Expansion Memory: Support max 32G TF Card

Interfaces: USB Micro-B, DC port

serial port RS-232 (TTL),



Fingerprint (Option)

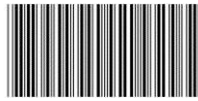
Sensor type: Capacitive type

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 SE4750

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)

NFC (Optional)

China UHF (Optional)

Operating frequency

865~868 MHz or 920~925 MHz

Protocol: EPC, GEN2/ISO18000-6C

Antenna: Horizontal Linear polarization (2dBi)

Max. Power: 0.25W (+10dBm~+24dBm)

Max. Reading/Writing range up to: 2.5m (according to tags and environment)

Impinj R2000 UHF (Optional)

Operating frequency

865~868 MHz or 920~925 MHz

Protocol: EPC, GEN2/ISO18000-6C

Antenna: Horizontal Linear polarization (2dBi)

Max. Power: 1W (+10dBm~+30 dBm)

Max. Reading/Writing range up to: 5m (according to tags and environment)



Wireless LAN

WiFi: IEEE802.11 b/g/n, internal antenna



Wireless PAN

Bluetooth: Bluetooth v2.1+EDR

Bluetooth 3.0+HS

Bluetooth v4.0 Low Energy (LE)



3G WCDMA

3G WCDMA/HSDPA/HSPA+:

850/1900/2100MHz, compatible with GPRS



GPS (Optional)

GPS (embedded A-GPS)



Camera (Optional, not support UHF)

8 mega pixels, auto focus, with LED flash



PSAM (Optional)

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

SAM slots: maximum 2

Accessories

Standard: battery, charger/adaptor, data cables,

Optional: Cradle, Pistol, Carry bag

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