BATCH TERMINAL

OPH-1005

Handheld Mobile Computer



Highlights

- Small, rugged mobile terminal featuring an elegant design
- Ideal solution for asset management, inventory control and mobile sales automation
- Vibrant, TFT LCD QVGA color display with adjustable backlight
- Integrated laser barcode scanner: 100 scans/second
- Enhanced, easy to use 23-key keyboard
- Features 128 MB FlashROM, 4 MB RAM and 4 MB SRAM
- Withstands 5' drop to concrete
- Features IP54 rating—comprehensive sealing against dust and moisture
- Compact size and weight: 2.17"W x 5.35"L x 0.91"D and 4.9 ounces
- Stores data onboard for later transfer via IrDA through a charging/communication cradle (sold separately)
- Two communication/charging cradle choices available: CRD-1004 (USB/Ethernet) and CRD-1006 (USB/RS232)
- Programmable—free Opticon SDK enables solution providers to create customized scanning solutions
- Backed by a two year warranty

OPTICON

OPH-1005

Product Specifications

OPERATION

CPU: RX62N 32-bit MCU OS: Proprietary

SOFTWARE: Programmable in C-language. Software development kit with compiler free downloadable

RTC: Supports year, month, day, hour, minute, second (leap year supported)

MEMORY

NAND FLASH: 128 MB

FLASHROM: 4 MB

RAM: 4 MB SRAM

DISPLAY

TYPE: TFT LCD QVGA color display with backlight

SIZE: 2", 320 x 240 pixels

FONT SIZE: 6x6 / 6x12 / 8x8 / 8x16 / 8x19 / 11x19 / 12x24 dots / 16x32

OPERATING INDICATORS

VISUAL: Dual-color LED (red/green)

AUDIBLE: Buzzer

OPERATING KEYS

ENTRY OPTIONS: 23 keys total, 12 key (alpha) numeric keypad, 2 navigation keys, 4 function keys, 3 control keys, 1 power key, 1 scan key

COMMUNICATION

IRDA: Version 1.2, baudrate 1200 bps - 115.2 kbps

POWER

RECHARGEABLE BATTERY: Lithium-Ion 3.7V 1100mAh

OPERATING TIME: Ca. 40 hours (backlight off, 1 scan / 10 sec)

DATA RETENTION TIME: 24 hours

CHARGING METHOD: Separate cradle CRD-1004, CRD-1006

BARCODE SCANNER OPTICS

LIGHT SOURCE: 650 nm visible laser diode

SCAN METHOD: Vibrating mirror

SCAN RATE: 100 scans/sec

READING PITCH ANGLE: -35 to 0˚, 0 to +35˚

READING SKEW ANGLE: -50 to -8˚, +8 to +50˚

READING TILT ANGLE: -20˚ to 0˚, 0 to +20˚

CURVATURE: R>15 (EAN8), R>20 (EAN13)

MINIMUM PCS VALUE: 0.45

DEPTH OF FIELD AT PCS 0.9, CODE 39:
39 mil (1.0 mm) 2.76 - 17.72 in (70 - 450 mm)
20 mil (0.5 mm) 1.97 - 12.60 in (50 - 320 mm)
10 mil (0.25 mm) 1.97 - 7.87 in (50 - 200 mm)
6 mil (0.15 mm) 2.17 - 4.72 in (55 - 120 mm)

SUPPORTED SYMBOLOGIES

BARCODE (1D): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey

BARCODE (2D):Composite Codes, MicroPDF417, PDF417

BARCODE (POSTAL CODES): Chinese Post, Korean Postal Authority code

DURABILITY

TEMPERATURE:
Operation: 14 - 122˚F (-10 - 50˚C)
Storage: -4 - 140˚F (-20 - 60˚C)

HUMIDITY:
Operation: 20 - 85% (non-condensing)
Storage: 20 - 85% (non-condensing)

AMBIENT LIGHT IMMUNITY:
White: 4,000 lx max
Fluorescent: 4,000 lx max
Direct sun: 80,000 lx max

DROP TEST: 5 ft (1.5 m) drop onto concrete surface

PROTECTION RATE: IP 54

PHYSICAL

DIMENSIONS (WXHXD): 2.17 x 5.35 x 0.91 in (55 x 136 x 23 mm)

WEIGHT BODY: Ca. 4.9 oz (140 g) (incl. Lithium-Ion battery)

CASE: ABS, Black

REGULATORY AND SAFETY

PRODUCT COMPLIANCE: CE, FCC, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

ENCLOSED ITEMS

HAND STRAP

SOLD SEPARATELY

CRD-1004 CRADLE: charging/communication (USB/Ethernet) cradle

CRD-1006 CRADLE: charging/communication (USB/RS232) cradle

REPLACEMENT BATTERY

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