Description

1D barcode Windows Mobile Bluetooth Wifi IrDA USB GPRS EDGE 3G 3.5G AGPS IP64

Opticon H21 1D Alphanumeric keypad, a consumer-grade design, is a mobile terminal with Windows Mobile 6.5, a barcode reader, color camera and 3G communication. The Opticon H21 withstands drops up to 1.5 meter onto concrete and is sealed up to IP 64 standards.

Product Features

Apart from Windows Mobile 6.5
The Opticon H21 is standard equipped with assisted GPS, 3G and 3.5G communication, Bluetooth and WiFi. The barcode reader provides the versatility to read all standard 1D barcode symbologies.

New generation
This new generation Opticon H21 has an integrated 3.2 megapixel color camera with auto-focus and flash light. Use the 2.8" touch screen for signature writing and capture all information on the Opticon H21. The user accessible slot enables the user to expand the memory by microSD and HC.

In situations where connectivity
Communication and ease-of-use are important, this smart phone is the ideal tool. The Opticon H21 weighs only 235 gr. and is ergonomically shaped. The integrated 3060 mAh battery provides long operation time.

The Opticon H21 1D
Is available with a numeric or qwerty keypad.

Specifications

- Opticon H-21 1D Alphanumeric keypad Smartphone
- Article number: 12596 Opticon H-21 1D Alphanumeric keypad incl battery pack

Operation

- CPU: Qualcomm MSM7225 528 Mhz
- O/S: Microsoft® Windows Mobile® 6.5

Memory

- NAND Flash: 256 MB
- RAM: 256 MB
- Expansion: User accessible microSD + HC

Display

- Type: Graphic Transflective TFT LCD with touch

- panel, 16-bit color with adjustable backlight
- Size: 2.8", 480 x 640 pixels
- Mode: Portrait / Landscape

Operating indicators

- Visual: 2 LEDs (red/orange/green/blue)
- Non-visual: Vibrate, Buzzer

Operating keys

- Entry options:
- 12 (alpha)numeric keys
- navigation key (scroll + select)
- function keys
- control keys
- 1 power key
- 2 hot keys
- 2 phone keys
- 1 camera key
- reset key
- volume key
- 2 scan keys

Communication

- USB: OTG, client and host
- IrDA: Ver. 1.3, 2400 bps - 115.2 kbps (SIR), 576 kbps - 1.152 Mbps (MIR)
- Bluetooth: Ver. 2.1 + EDR, class 2
- W-LAN: WiFi, IEEE.802.11b/g
- Telecom: GPRS/EDGE (quad-band 850/900/1800/1900), 3G UMTS (WCDMA band 1,II,V,VI), 3.5G UMTS (HSDPA 7.2M / HSUPA 5.76 M)
- GPS: Integrated AGPS
- Audio: Speaker/microphone (mono), headset connector (stereo)
- Extension: User accessible microSD I/O

Power

- Rechargeable battery: Lithium-Ion 3.7V 3060mAh
- Backup battery: 6mAh
- Charging method: Enclosed power supply, separate car charging adapter, separate cradle Camera
- Color camera: 3.2 mexapixels, auto-focus, LED flash

Barcode scanner Optics

- Light source: 650 nm visible laser diode
- 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 mm (EAN8), R>20 mm (EAN13)
- Min. resolution at PCS 0.9: 0.127 mm / 5 mil
- Min. PCS value: 0.45
- Depth of field: At PCS 0.9 Code 39
- 65 - 645 mm / 2.56 - 25.39 in (1.0 mm / 39 mil)
- 45 - 415 mm / 1.77 - 16.34 in (0.5 mm / 20 mil)
- 45 - 255 mm / 1.77 - 10.04 in (0.25 mm / 10 mil)
- 45 - 145 mm / 1.77 - 5.71 in (0.15 mm / 6 mil)
- 55 - 115 mm / 2.17 - 4.53 in (0.127 mm / 5 mil)

Supported Symbologies

- Supported 1D barcode Symbologies: JAN/UPC/EAN incl. add on, Codabar/ NW-7, Code 39, Code 93, 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 Postal code: Chinese Post, Korean Postal Authority code
- Supported 2D barcode Symbologies: Composite Codes, MicroPDF417, PDF417

Durability

- Temperature in operation: -10 to 50 °C / 14 to 122 °F
- Temperature in storage: -40 to 60 °C / -40 to 140 °F

- Humidity in operation: up to 90% (non-condensing)
- Humidity in storage: up to 90% (non-condensing)
- Drop test: 1.5 m / 5 ft drop onto concrete surface
- Protection rate: IP 64

Physical

- Dimensions (w x h x d):
- 67 x 135 x 22 mm / 2.64 x 5.31 x 0.87 in
- Weight body: Ca. 235 g / 8.3 oz (incl. battery)
- Case: Black

Regulatory & Safety

- Product compliance: CE, FCC, VCCI, PTCRB, GCF, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

Warranty

- 2 year Manufacturer warranty

Enclosed items

- Power supply 5,0V/1A incl EU plug **Article number : USBCHARGE_NET**
- Standard battery Lithium-Ion 3060 mAh **Article number : 12560**
- USB cable **Article number : 12566**
- Leather case **Article number : 12568**
- Hand strap **Article number : 12564**
- Ear microphone **Article number : 12562**
- Getting started disc
- Stylus **Article number : 12708**
- Stylus cord **Article number : 12043**

Accessories
sold separately

- CRD21 Charging and Communication cradle **Article number : 12558**
- Car charging adapter **Article number : USBCHARGE_CAR**
- Car holder kit **Article number : 12559**
- Screen Protector **Article number : 90025**

Features

Properties

Warranty: 2 years

Serie(s):   H-21

Including: Power supply Battery Wrist strap USB cable Ear microphone Stylus + Cord Leather case Screen protector Getting started disc

Physical

Connection(s):   USB mini

Technical details

Platform Version: Windows Mobile 6.5

Platform: Windows

IP rating: IP64

Scan engine: Laser (1D)

Wireless Communication: WiFi EDGE AGPS IrDA 3.5G GPRS 3G Bluetooth

Barcodes: 1D