



GPRS/EDGE



MicroSD I/O

H25

1D Laser or 2D Imager Scanner Numeric Keypad



+ Features and Benefits

- Lightweight, Compact Design
- Windows CE .NET 6.0
- Bluetooth™, WLAN (Wi-Fi)
- GPRS/EDGE
- MicroSD Slot (Supports up to 32GB)
- 1D Laser, or 2D Imager Scanner
- Marvell® XScale PXA310 624 Mhz Processor
- Memory: 128MB RAM and 256MB ROM
- IP65 Certification
- 1.2m (4ft) Drop Specification
- Optionally Integrated:
 - GPS
 - 5MP Auto-focus Color Camera
 - RFID

Operation

- CPU: Marvell® PXA310 624Mhz 32bits RISC
- O/S: Windows® CE .NET 6.0 Professional

Memory

- Flash ROM: 256 MB
- RAM: 128 MB
- Expansion: User accessible microSD

Display

- Type: Transmissive Graphic TFT, 4-Wire Resistance Type Touch Panel Color LCD with LED Backlight (LCM LED Backlight) adjustable with touch panel, 16-bit color with adjustable backlight
- Size: 2.8" 240 X 320 pixels

Operating indicators

- Visual: One Bi-Color LED for Charger Indicator (R/G); One Bi-Color LED for Barcode Scan, Multi RF, WLAN (R/G/B)
- Non-visual: Vibration

Operating keys

- One 12-key numeric backlit keypad
- One power key
- Three barcode scanner buttons (one center, and two side buttons)
- Four navigation keys
- Application key

Communication

- USB: One I/O port for DC-IN and USB 2.0 client function (supported by H25 single dock only) standard micro USB connector for USB 2.0 client function and charging (supported by standard Micro USB Cable)
- Bluetooth: Ver. 2.1 + EDR, class 2
- W-LAN: 802.11b/g; WLAN Encryption of Summit (WEP/ WEP EAP/ CKIP/ CKIP EAP/ WPA-PSK/ WPA TKIP/ WPA CCKM/ WPA2-PSK/ WPA2 AES); Built-in Multi RF
- Telecom: Optionally Integrated GPRS
- GPS: Optionally-integrated Module
- Audio: Speaker/microphone (mono)
- Extension: User accessible microSD I/O

Power

- Rechargeable battery: Standard Li-ion Battery Pack, 3.7V, 1840mAh
- Backup battery: included
- Charging method: Enclosed power supply, or USB cable; separate cradle, enclosed USB cable

Camera

- Color camera 5.0 Megapixels

Barcode scanner Optics (1D laser option only)

- Light source: 650 nm visible laser diode
- Scan method: Bi-directional scanning
- 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
- Minimum PCS value: 0.45
- Depth of field: At PCS 0.9 Code 39
- 70 - 650mm/2.76 - 25.59in (1.0 mm/39 mil),
- 50 - 420mm/1.97 - 16.54in (0.5 mm/20 mil),
- 50 - 260mm/1.97 - 10.24in (0.25 mm/10 mil),
- 50 - 150mm/1.97 - 5.91 in (0.15 mm/6 mil),
- 60 - 120 mm/2.36 - 4.72 in (0.127 mm/5 mil)

2D Imager optics (2D imager option only)

- Light Source: aiming laser diode, illumination LEDs
- Scan method: CMOS area sensor, 900 x 512 pixels, gray scale
- Scan rate: up to 80 fps after auto-focus activation (100 milliseconds after triggering)
- Image format: bitmap; jpeg
- Reading pitch angle: -50 to 0°; 0 to +50°
- Reading skew angle: -50 to 0°; 0 to +50°
- Reading tilt angle: 360°
- Minimum resolution at PCS at 0.9: 0.127 mm/5 mil
- Minimum PCS value: 0.45
- Field of View: horizontal 40°, vertical 23°
- Depth of Field:
 - PDF 417: 45-120mm/1.77-4.72in (0.127mm / 5mil)
 - PDF 417: 50-270mm/1.97-10.6in (0.254mm / 10mil)
 - Data Matrix: 45-150 mm/1.77-5.91in (0.254mm/10mil)
 - Code 39: 45-260 mm/1.77-10.2in (0.254mm/10mil)

Supported Symbolologies (1D imager option only)

- 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
- Postal code: Chinese Post, Korean Postal Authority code
- 2D code: Composite codes, MicroPDF417, PDF417

Supported Symbolologies (2D imager option only)

- 1D: JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-I SMN-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
- Postal code: Chinese Post, Korean Postal Authority code, Postnet, Intelligent Mail Barcode (IMB)
- 2D code: Aztec Code, Aztec Runes, Codablock F, Composite Codes, Data Matrix (ECC200/EC0-140), Maxi Code (mode 2~5), Micro PDF417, Micro QR Code, PDF417, QR code

Durability

- Temperature in operation: -10°C ~ 50°C
- Temperature in storage: -20°C ~ 60°C
- Humidity in storage: 5 % ~ 95% (Non Condensing)
- Drop test: 1.2 m / 4 ft drop onto concrete surface
- Protection rate: IP 65

Physical

- Dimensions (w x h x d): 62 x 144 x 26.2~35.8mm / 2.44 x 5.67 x 1.03 ~ 1.41in
- Weight body: Circa 235 g / 8.2 oz (including battery)
- Case: Black

Regulatory & Safety

- Product compliance: UL/ cUL, LVD, CB, CE, FCC, RoHS, WEEE, CC

Enclosed items

- USB AC Adapter
- Standard Battery Pack (3.7V DC, 1840 mAh)
- Standard AC Adapter 5V DC/1A
- USB Client Cable for Terminal
- Wrist band
- Quick Start Guide
- Stylus + Cord

Sold separately

- Single Dock
- Holster
- High Capacity Battery Pack (3.7V DC, 2760mAh)
- High Capacity Battery Cover