H22



› HIGHLIGHTS

- Windows Mobile 6.5.3
- 3.7" touch screen
- Bluetooth V2.1 + EDR
- WiFi, IEEE 802.11 b/g/n
- 3G, 3.5G
- Assisted GPS
- 3.2 megapixel color camera with auto-focus and flash light
- USB, OTG
- IP 65



OPTICON

H22

› BASIC PRODUCT SPECIFICATIONS

OPERATION

CPU: Marvell PXA320 806MHz O/S: Microsoft© Windows Mobile© 6.5.3

MEMORY

NAND FLASH: 512 MB SDRAM: 256 MB EXPANSION: User accessible microSD + HC

DISPLAY

TYPE: Blanview TFT LCD, 262k color display with touch screen SIZE: 3.7", 480 x 640 pixels MODE: Portrait / Landscape

OPERATING INDICATORS

VISUAL: 1 LEDs (red/orange/green) NON-VISUAL: Vibrate, Buzzer

OPERATING KEYS

ENTRY OPTIONS: (alpha)Numeric keyboard or QWERTY keyboard, navigation key (scroll + select), function keys, 10 enabled by color key, control keys, 1 power key, Windows Mobile key, OK 2 phone keys, reset key, volume key, 4 scan keys, reconfigurable

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/n TELECOM: GPRS/EDGE (quad-band 850/900/1800/1900), 3G UMTS (WCDMA band I,II,V,VI,VIII), 3.5G UMTS (HSDPA 7.2M / HSUPA 5.76 M) GPS: Integrated AGPS AUDIO: Speaker/microphone (mono), 3.5mm headset connector (stereo) EXTENSION: User accessible microSD I/O

POWER

RECHARGEABLE BATTERY: Lithium-Ion 3.7V 3060mAh BACKUP BATTERY: 18mAh for main battery hotswap CHARGING METHOD: Enclosed power supply, separate car charging adapter, separate cradle

CAMERA

COLOR CAMERA: 3.2 megapixels, 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)

2D IMAGER OPTICS

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 ms 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˚ Min. resolution at PCS 0.9: 0.127 mm / 5 mil MIN. PCS VALUE: 0.45 FIELD OF VIEW: Horizontal 40˚, Vertical 23˚ DEPTH OF FIELD: at Code 39, 45 - 1000 mm / 1.77 - 39.37 in (0.127 mm / 5 mil), 45 - 110 mm / 1.77 - 4.33 in (0.127 mm / 5 mil), 50 - 260 mm / 1.97 - 10.24 in (0.254 mm / 10 mil), 120 - 1000 mm / 4.72 - 39.37 in (1.0 mm / 39 mil) DEPTH OF FIELD: at QR Code, 45 - 65 mm / 1.77 - 2.56 in (0.127 mm / 5 mil), 45 - 250 mm / 1.77 - 9.84 in (0.381mm / 15 mil)

RFID OPTICS (OPTIONAL)

FREQUENCY: 13.56 MHz SUPPORTED STANDARDS: ISO 14443A/B, Mifare Classic 1k, Mifare Classic 4k, Mifare Ultralight, Mifare DESFire 2k, 4k and 8k, ISO 15693, I-Code, Felica READING DISTANCE: Up to 70 mm (depending on card/tag type)

SUPPORTED SYMBOLOGIES

BARCODE (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-ISMN-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey POSTAL CODE: Chinese Post, Korean Postal Authority code 2D CODE: Aztec Code, Aztec Runes, Codablock F, Composite Codes, Data Matrix (ECC200/ ECO-140), Maxi Code (mode 2~5), Micro QR Code, MicroPDF417, PDF417, QR code

DURABILITY

TEMPERATURE IN OPERATION: -10 to 50˚C / 14 to 122˚F TEMPERATURE IN STORAGE: -30 to 80˚C / -22 to 176˚F (main battery storage: -20 to 60˚C / -4 to 140) HUMIDITY IN OPERATION: up to 95% (non-condensing) HUMIDITY IN STORAGE: up to 95% (non-condensing) DROP TEST: 1.5 m / 5 ft drop onto concrete surface PROTECTION RATE: IP 65

PHYSICAL

DIMENSIONS (W X H X D): 151 x 75 x 25 mm / 5.94 x 2.95 x 0.98 in WEIGHT BODY: Ca. 340 g / 12 oz (incl. battery) CASE: Black

REGULATORY & SAFETY

PRODUCT COMPLIANCE: CE, FCC, PTCRB, GCF, RoHS, CTIA/IEEE1725, IEC 60825-1 Class 2

ENCLOSED ITEMS

USB AC Adapter, Standard battery Lithium-Ion 3060 mAh, USB cable, Hand strap, Ear microphone, Stylus + Cord

SOLD SEPARATELY

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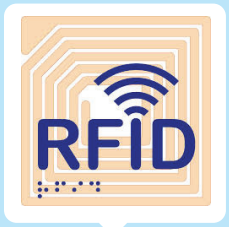
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RFID



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