OPTICON

H19A
Barcode laser scanner

Windows Mobile **GSM/GPRS/EDGE**

Single cradle
Multi-cradle

WiFi™

Bluetooth™

GPS

MiniSD I/O

+ Related products

H19B
- Windows Mobile
- 2D CMOS imager
- Bluetooth, W-LAN (WiFi), GSM/GPRS/EDGE, miniSD I/O
- GPS, IP 54

H15
- Windows CE
- Barcode laser scanner
- Bluetooth, W-LAN (WiFi)
- IP 54

PHL8112
- Windows CE
- Barcode laser scanner
- Bluetooth, W-LAN (WiFi), serial connector
- IP 65

Operation
- CPU: Samsung S3C2440A 400 Mhz
- O/S: Microsoft® Windows Mobile® 6 Professional
- Software: Excel Mobile, Powerpoint Mobile, Word Mobile, Internet Explorer, ActiveSync, Internet sharing, Pocket MSN, Phone application, Opticon scanner application, Accessories
- RTC: Supports year, month, day, hour, minute, second (leap year supported)

Memory
- FlashROM: 512 MB
- RAM: 64 MB
- Expansion: User accessible miniSD

Display
- Type: Graphic Transflective TFT LCD with touch panel, 16-bit color with adjustable backlight
- Size: 2.8", 240 x 320 pixels
- Mode: Portrait / Landscape

Operating indicators
- Visual: 2 LEDs (red/orange/green/blue)
- Non-visual: Vibrate, Speaker (.wav)

Operating keys
- Entry options: 24 keys total,
  12 key (alpha)numeric keypad,
  5-way navigation keys,
  function key,
  backspace key,
  1 power key,
  2 hot keys,
  2 phone keys,
  reset key,
  volume key,
  voice record,
  2 scan keys,
  virtual keyboard,
  handwriting recognition

Communication
- USB: Mini USB, Ver. 1.1., client
- Bluetooth: Ver. 1.2, range up to 10 m
- W-LAN: WiFi, IEEE.802.11b/g
- Telecom: GSM/GPRS/EDGE, quad-band 850/900/1800/1900, GSM Class 12, EDGE Class 10
- GPS: NMEA 0183, SiRF Star III, 57.6 kbps
- Audio: Speaker/microphone (mono), headset connector (stereo)
- Extension: User accessible miniSD I/O

Power
- Rechargeable battery: Lithium-Ion Polymer 4.2V 1580mAh
- High-capacity battery: Optional 4.2V 2600mAh
- Backup battery: Lithium rechargeable
- Operating time: Talk time 4 hours, Standby time 150 hours
- Data retention time: Backup Battery 5 minute RTC after main battery removal, 168 hours RTC in main battery low power
- Charging method: Enclosed power supply, separate USB cable, separate car charging adapter, separate cradle CRD19 series with spare battery bay
- Battery charging time: Ca. 4 or 8 hours when charging through power supply, ca. 6 or 12 hours when charging by USB cable connected to PC (resp. Standard or High-capacity battery)

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
- 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: Composite Codes, MicroPDF417, PDF417

Durability
- Temperature in operation: -10 to 50 °C / 14 to 122 °F
- Temperature in storage: -20 to 60 °C / -4 to 140 °F
- Humidity in operation: 20 - 80% (non-condensing)
- Humidity in storage: 20 - 90% (non-condensing)
- Drop test: 1.2 m / 4 ft drop onto concrete surface
- Protection rate: IP 54

Physical
- Dimensions (w x h x d):
  62.3 x 140.8 x 25.5 mm / 2.45 x 5.54 x 1.00 in
- Weight body: Ca. 195g / 6.9 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

Enclosed items
- Power supply 100-240V/0,25A, 50/60 Hz, 5V/1A
- Standard battery Lithium-Ion Polymer 4.2V 1580mAh
- USB cable (client cable)
- Leather case
- Belt clip
- Neck strap
- Hand strap
- Ear microphone
- Getting started disc
- Stylus

Sold separately
- CRD19 Cradle: Serial communication, charging
- CRD19E4 Cradle: Multi-cradle, 4 slots, Ethernet communication, charging
- High-capacity battery Lithium-Ion Polymer 4.2V 2600mAh
- Car charging adapter
- Car holder kit
- Leather case with window

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Legacy, Inc.,
160 West Road,
Ellington, CT 06029

Toll Free: 866-271-9891
Fax: 888-522-4684