

H19

RUGGED
by Design!

TouchScreen Mobile Computer

The H19 from Belgravium adds a new dimension to their range of innovative and flexible mobile computing solutions. Powered by Windows Mobile, the H19 supports a multitude of communication options including: Bluetooth, WiFi and GSM/GRPS/EDGE.

Compact, yet rugged, the H19 comes with an integrated barcode laser scanner as standard making it a perfect tool for Logistics, Healthcare, Retail and Postal Applications. Based upon proven design technology, the H19 offers flexibility and can provide startling productivity and efficiency gains for any business requirement.

All-in-One

Optimising worker efficiency in the field, the H19 features Direct Push e-mail technology, Internet browsing, synchronization with Outlook Mobile Calendar, Contacts and e-mail alongside the ability to work on applications in the Office Mobile suite such as Word, Excel and PowerPoint.

GPS Integration

Incorporating GPS functionality as standard enables location tracking and recording geographical locations by adding real-world coordinates to user scanned data.

2D Reading

The H19 with the 2D engine is especially suitable for applications with large data storage requirements. The H19 provides organisations with real time visibility of detailed data records and the ability to trace items through the whole of the supply chain.



Some of the many Key Features of the H19 Device

- Microsoft® Windows Mobile® 6 Professional
- 2.8 Inch, Colour LCD Touch Screen
- Withstands multiple drops to concrete from 1.2 Metres
- IP 54 Compliant Design
- Lithium-Ion Polymer Rechargeable Battery

See reverse for the technical specification



BELGRAVIUM

LEADERS IN REAL-TIME TECHNOLOGY

H19

TouchScreen Mobile Computer

Technical Specification

Operation CPU – Samsung S3C2440A 400 Mhz OS – Microsoft® Windows Mobile® 6 Professional Software – Excel Mobile, Powerpoint Mobile, Word Mobile, Internet Explorer, ActiveSync, Internet sharing, Pocket MSN, Phone application, Scanner application, Accessories RTC – Supports year, month, day, hour, minute, second (leap year supported)	2D Trigger mode – Manual, multiple read 2D Image format – Windows Bitmap, JPEG, TIFF 2D Gradulation – 256, 16, 2 2D Image output mode – 4 resolutions (full, 1/2, 1/3, 1/4), 2 ranges (horizontal, vertical) 2D Reading pitch angle – -50 to 0°, 0 to +50° 2D Reading skew angle – -60 to 0°, 0 to +60° 2D Reading tilt angle – 360° 2D Curvature – R>15 (EAN8), R>20 (EAN13) 2D Min. Resolution at PCS 0.9 – 0.127 mm / 5 mil at PDF 417, 0.1mm / 3.9 mil at Code 39, 0.169 mm, 6.7 mil at Data Matrix, QR Code 2D Min. PCS value – 0.45 2D Field of view – Horizontal 47°, Vertical 37.5° 2D Depth of field – 50 - 215 mm / 1.97 - 8.46 in (0.339 mm / 13 mil), 95 - 135 mm / 3.74 - 5.31 in (0.127 mm / 5 mil), at PCS 0.9 PDF417
Memory FlashROM – 512 MB RAM – 64 MB Expansion – User accessible mini SD	Supported Symbolologies 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-ISSN-ISMN, 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, Composite codes, Codablock F, Data Matrix, (ECC200/EC0-140), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, PDF417, QR code
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	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
Operating indicators Visual – 2 LEDs (red/orange/green/ blue) Non-visual – Vibrate, Speaker (.wav)	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 stand – Ca. 200g / 7.1 oz (incl. battery) Case – Black
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	Regulatory & Safety Product compliance – CE, FCC, VCCI, PTCRB, GCF, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II
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	<p>Campus Road, Listerhills Science Park, Bradford, West Yorkshire BD7 1HR. UK.</p> <p>Tel: +44 (0) 1274 741 860</p> <p>Fax: +44 (0) 1274 741 862</p> <p>Email: sales@belgravium.com</p> <p>www.belgravium.com</p>
Power Rechargeable battery – Lithium-Ion Polymer, 4.2 V 1440 mAh High-capacity battery – Optional 4.2 V 2600 mAh 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)	
2D Imager Optics 2D Light source – Illumination 4 red LEDs 630 nm, aiming 2 green LEDs 2D Scan method – CMOS area sensor 2D Scan rate – Up to 30 fps	