

## PRODUCT SPECIFICATION

|                              |  |
|------------------------------|--|
| Processor                    | iMX ARM 9 core   |
| Clock                        | 200 MHz  |
| System RAM                   | 64MB SDRAM   |
| FlashROM                     | 32MB total, optionally expandable  |
| Display                      | Colour LCD display panel 65K colours<br>active TFT 90mm panel with integrated touch screen   |
| Resolution                   | 320 x 240 pixels (1/4 VGA)   |
| Touch Screen Overlay         | 180 dpi with signature capture capability  |
| Display Backlight            | White LED  |
| Keypad                       | 30 keys alphanumeric, backlight<br>Various layouts are available, including SMS style for familiar alphanumeric input  |
| Buzzer                       | Piezo mounted against case to increase loudness  |
| Operating System             | WinCE™ 4.2 – Latest available version  |
| Front Mounted 2D             | Imager based with high resolution capability   |
| Bar Code Engine              | Visible aiming laser light beams<br>Red LED illumination<br>PDF417 and Datamatrix 2D symbologies<br>All common linear symbologies, UPC, EAN, Code 39, ITF, Code 128 etc.<br>Fully integrated into front of the enclosure<br>Works in bright sunlight and night time low light conditions |
| Power Management             | Power enabled by Win CE application to save current consumption<br>Bar Code Read Engine Power control<br>Unit Sleep mode on non-activity   |
| Internal Expansion Slots     | CF slot – used typically for WiFi connectivity<br>SD slot – used typically for expansion<br>Flash memory   |
| Real Time Clock              | Yes - with battery back up   |
| Silicon Serial Number        | Silicon serial no. device with unique serial no.   |
| Batteries                    | Removable battery pack<br>Rechargeable battery<br>2AH Lithium Ion battery<br>Internal short term back up supply for Real Time Clock operation and GPS almanac - supplies back up voltage for a minimum of 10 mins while the main battery pack is removed or being replaced               |
| Enclosure                    | Rubber mountings for LCD for protection<br>Rubber corners for extra shock protection<br>Dimensions 223mm by 94mm by 73mm   |
| Environmental Specifications | IP64<br>Can withstand multiple drops of 1.2m onto concrete   |
| iDL Desk Interface           | Contains integral charger from 220V mains<br>Charges both a docked iDL as well as one additional battery pack  |

### INTEGRATED iDL OPTIONS

|   |   |
|---|---|
| Bluetooth RF Module                                 | 2.4 GHz spread spectrum operation<br>Range up to 10 metres clear line of sight<br>Effective data rate is 19.2 Kbs<br>Integral antenna – note that the antenna is directional<br>Note that either a Bluetooth or NFW module can be selected<br>Potential links to belt-mounted printer |
| USB Slave Option                                    | IP64 weatherproof external connector  |
| Integrated Fingerprint Reader                       | Integral high resolution Capacitive Reader<br>500 DPI<br>ESD tolerant<br>Ultra hard protective coating over the sensor<br>Registration software<br>Fingerprint capture and matching software<br>1:1 fingerprint matching<br>1:many and optical reader options                         |
| Electronic Payment Option for Magnetic Stripe Cards | Bank approved Credit and Debit card transactions<br>Secure PIN entry<br>Secure Debit Card transactions<br>DES and RSA cryptography<br>Dual track magnetic stripe card reader<br>Online authorization via GSM/GPRS<br>Mandatory credit card payment printing to printer                |
| GPS Receiver  | Compact 12 channel GPS receiver<br>Accurate to better than +3 m (with Selective Availability disabled) for more than 50% of the time<br>Integrated patch antenna  |
| GSM Data Modem                                      | Compact integral GSM modem<br>Dual band<br>GPRS included<br>Voice option – hands free headset with microphone   |
| 802.11b Wireless LAN Card                           | Internal with integrated antenna<br>Full WiFi capability  |
| RFID Reader   | Air interface protocols supported:<br>ETSI: EN 302-208<br>EPC class 1 UHF<br>EPC 1.19 UHF<br>ISO 18000-6 UHF<br>iP-X UHF<br>MiFare, ISO14333, ISO 15693 – 13.56MHz<br>Front fitting antenna   |
| Memory Expansion Options                            | Up to 1GB Flash memory  |
| Device General Options                              | 400MHz or 500MHz processor options<br>Pouch, shoulder belt<br>Flexible hand strap<br>Various colours: - yellow, grey, blue<br>Enhanced environmental specifications<br>Alternative keypads  |