

## Industrial PDA i.roc x20

### Technical datasheet



#### Trend-setting success

The success of our industrial PDA i.roc x20 is an excellent example of how the use of mobile solutions can help optimise profitability and efficiency of your company. Whatever the size and type of business, there exists opportunities to further optimise production flow and data transfer. Customised and wisely applied mobile information technology can detect and utilise these opportunities, thereby helping to make the company more profitable. For process controlling this means continual identification and diagnosing of faults in order to make the correct decision for production flow. At management level, intelligent information systems can prevent the occurrences of standstill and waste, improve production performance and therefore help guide the company to higher efficiencies.



i.roc 420 shown fitted with optional RFID module

#### Application of state-of-the-art technology

The XScale processor, the operator interface featuring different Windows mobile operating systems, the impact resistant TFT display with touchscreen function and the extensive range of equipment and accessories all go to make the i.roc x20 the perfect tool. The i.roc product concept is truly impressive, with its innovative power and flexibility allowing the early adoption and application of new ways of working in hazardous areas. The long term product strategy with HP further guarantees investment security for our clients.



Three model types 420, and intrinsically safe types 520 -Ex and 620 -Ex with Ex certifications available



Based on HP iPAQ technology



Available operating systems are Windows Mobile 2003 SE, compatible to WM 2003 PE or Microsoft Windows Mobile 5, using state-of-the-art Microsoft technology for future projects



Software package included, AutoInstall, Pre-Config Tool, AutoBackup/Restore with System monitoring, Kiosk mode, virtual fullscreen keyboard



Onboard WLAN (802.11b) chip with a range of up to 300m, enables access to data wherever and whenever; needed IEEE 801.1x compliant, WEP, TKIP, PSK, Cisco Leap, WPA, WPA2 (Funk Odyssey Client), DSSS modulation type, country specific use of frequency bands between 2.400 GHz and 2.497 GHz, 100 mW TX power, WECA Wi-Fi, UL, CSA, ANATEL, CE specified



Integrated Bluetooth class II chip with a range of up to 10m, 1 mW TX power supports the most common Bluetooth profiles.



Program other infrared enabled devices using IrDA / SIR / FIR with up to 4Mbit/sec



Highspeed USB 2.0 connection to a standard desktop PC via Docking Station DS x10



Internal serial RS232 interface for connecting optional read/write modules or communication modems



RFID read / write modules for different frequencies like 125 kHz / 134 kHz / 13.56 MHz



Modules for collecting barcodes using 1D Barcode Laser or 2D Barcode Imager



Development of customer specific modules



