



For when the going gets beyond tough

Series 6 'RPDA 6' Rugged Personal Data Assistants with 4" LCDs



Base Models

Industrial/Commercial grade:

RPDA 6-I	IP 65 rated
RPDA 6-I '3G'	IP 54 rated
RPDA 6-I 'EP'	IP 67 rated

Military/Defence grade:

'Openfire' RPDA 6-M	IP 65 rated
'Openfire' RPDA 6-M 'EP'	IP 67 rated

Key Features

- 4" VGA (480x640) resolution, daylight readable LCD with ULTRA™ 'ultra-rugged' touchscreen
- Win Mobile 6 operating system; optional CE.net 5
- Modular design with removable sealed battery; plus capacity to upgrade to enhanced connectivity options, including 3G, WiFi & Bluetooth; plus double thickness, longer life battery
- Exceeds MIL-STD 810F for durability, shock & impact resistance
- MIL-spec models exceed MIL-STD 461E emission requirements

The Intel Bulverde PXA270 powered RPDA 6 with Windows Mobile 6 operating system is available in four models:

- a 3.5G phone (UMTS/HSDPA) enabled model
- an GPS enabled model with integrated antenna
- a GPS + digital compass/inclinometer enabled model, and
- an integrated 2 Megapixel camera model with dual LED flash

Based on the field proven chassis of the previous model, the new series RPDA 6 comes in Industrial (-I) and Military (-M) models, both of which feature a full 4" VGA 480(W) x640(H) pixel LCD, a 'Super Rugged' grade Magnesium Alloy chassis, double-sealed ports, integrated high performance wireless device antennae, integrated corner protectors, an integrated quick release hand strap, and a quick release, hot swappable battery in a leak-proof, sealed battery bay.

Weighing in at under 470 grams, these units nonetheless exceed MIL-STD-810F durability standards, offer ingress protection ratings up to IP67, and perhaps best of all, feature an ULTRA 'ultra-rugged' touchscreen which not only offers full daylight view-ability, but industry leading levels of scratch and impact resistance; and all in a unit less than 15.5cm high x 9.4cm wide.

Also featured are large programmable hotkeys and a joystick-style navigation pad, and large, easily activated phone, WiFi and Bluetooth ON/OFF buttons (if these options are fitted). The unit also includes a serial (DB9) port and an earphone jack, and practical options such as a clear polycarbonate flip-up LCD protector, a desktop docking station, longer life double-thickness batteries (which deliver up to 24 hours 'always-on' use, or long standby times when not in use) and either belt or wrist carry pouches.

If that wasn't enough, a biometrics collection/verification variant (called DuoMetrics) offers NIST/FBI compliant fingerprint/latent fingerprint scanning and on-board identification, as well as a facial data acquisition, making it ideal for homeland security, or private premises security applications; with the optional IP67 sealing making it ideal for both land and maritime roles where weight and size would make other systems impractical.



Optional 3.5G UMTS/HSDPA) Phone



Optional Integrated GPS



Optional GPS + Compass/Inclinometer

Specifications ('-I' & '-M' models)

Environmental, Safety & EMC	'Super Rugged' PDA with Mobile 6 operating system (or optional CE.net 5 OS), ingress protection ratings from IP54 to IP67, 4" ruggedised daylight readable touchscreen, rear carry strap, quick release long-life battery, USB, PCMCIA & SD expansion ports, & optional 3.5G phone, GPS & digital compass/inclinometer		
CPU Type/Speed	Marvell PXA270 624MHz CPU	Operating System	Windows Mobile 6 ; optional CE.net 5 (supports 3G data, but not phone)
Options & Accessories	- Flip-up LCD protector - Desktop docking station/battery charger	- Double life battery - GPS & Connectivity options, as below - Hard or soft carry case	- Embedded biometrics - Embedded medical diagnostics
RAM / ROM	128Mb RAM / 1Gb ROM		
Dimensions (HxWxD)mm	155 x 94 x 33 (HxWxD mm)	Weight incl Battery	450 grams
Screen Type & Resolution, WxH (Pixels)	4" VGA Transflective TFT LCD 480x640 pixels; ULTRA touchscreen; landscape & portrait modes; 256K colours	Graphics/Screen driver	nVIDIA GoForce 4800
Chassis construction	Magnesium alloy	Chassis colour	Black (-I models) NATO Green (-M models only)
Magnetic Drive Type/Capacities	Removable SD flash memory card and Type II PCMCIA slots		
Battery pack	Removable Lithium Ion type; optional double thickness, longer life battery		
Vehicle Power Adapter	12-32VDC	Mains Power Adapter	90-240VAC 50/60Hz
External I/Os (ports)	1 x Serial (DB9 RS-232) 2 x USB (1 x Host USB v2.0, 1 x Mini-USB Client v1.1)	1 x PCMCIA Type II 1 x SD 1 x Ext Mic/Earphone Jack	4 Pin docking port x 1 (-I) 20 Pin docking port x 1 (-M)
Keys/Keypad	Water-resistant, programmable function keys plus navigation joystick	Audio	Integrated speaker
Docking Station	Port replicator with 2nd battery charger, LAN port x1, USB ports x2; optional vehicle mounting systems	Additional Internal I/Os	N/A
Connectivity Options	WiFi (IEEE 802.11b/g) Bluetooth® (v2.0) + EDR system	3.5G Phone (WM6 only) GPS (Ublox LEA-5H)	(NB: Ce.net 5 supports data connectivity only over cellular services, not phone)

Specifications ('-M' models)

Additional standard features	MIL-STD 461E compliant ultra-low EMC electronics (EW rated)
Additional options	IP65 or IP67 ('EP' model) ingress protection ratings

Accessories



Belt Pouch



Wrist Pouch



Flip-up LCD Protector



Double Battery



Docking Station