

SPECIFICATION SHEET



RPC 17 'Series 6' RUGGED NOTEBOOK PCs with 17.1" LCDs

RELEASE DATE: 20/12/11
D1696V02



KEY FEATURES

- 2.26GHz Intel Core 2 Duo processor
- 17.1" WGA (1440x900) LCD with LED back-lighting & polarised filter for improved viewability in full sun
- Optional standard touchscreen or 'ULTRA' brand 'ultra-rugged' touchscreen
- Magnesium Alloy chassis with fan-less cooling system
- Modular design includes removable HDD, DVD & batteries, plus optional WiFi, 3G, GPS
- Superior levels of shock, impact and dust resistance

RUGGEDISATION

| | | |
|---------|-------------------|--------------|
| Models | RPC 17W-I | RPC 17W-M |
| Classes | Industrial | Military |
| Levels | Fully Rugged Plus | Super Rugged |



PRODUCT OVERVIEW

Initially developed as a solution for vehicle-based server and Command & Control applications, the 'Series 6' RPC 17 notebook computers with 17.1" widescreen LCDs combine the faster, gutsier 2.26GHz Intel Core 2 Duo CPUs, as part of our recent RPC 'Series 6' range enhancements. Now with larger hard drives, enhanced external dust seals and brighter LED back-lighting, these workhorses are unique in that they are the only 17.1" widescreen rugged notebook PCs on the market, making them a unique offering for graphics intensive applications such as Tactial Command or Situational Awareness.

An optional more powerful 2.53GHz Intel Core 2 CPU makes the RPC 17 even better suited to vehicle LAN or field operations centre LAN server applications. An optional CAN Bus module also makes it an ideal for vehicle system monitoring and control applications (e.g. mining drag lines, or military armoured vehicles).

Like its smaller stablemates, these notebooks don't just exceed MIL-STD-810F standards for vibration, impact, dust and moisture resistance, they raise the bar to new levels; and like its smaller stablemates, it's based on a proven chassis design that has become legendary in industrial and defence markets for its durability. Available in either Industrial Rugged ('-I') or Military Rugged ('-M') models, it comes with a wide range of options, so is highly customisable.

As with all Opentec products, what really sets this product apart is that Opentec remains the only rugged computer supplier in Australia that is ISO 9001:2008 certified for both manufacturing AND design processes; and that opentec is the only Australian supplier that designs and customises housings and bespoke mounting systems, and can modify PCBs to suit highly specialised, customer-specific needs, including electronics assemblies that need to meet IEC 610 Class 3 requirements.

STANDARDS

Meets or exceeds the following standards:

| | |
|-------------------------|---|
| Drop/Shock | MIL-STD 810FG 516.6, Procedure IV (1.22 m / 4ft drop test); IEC 68-2-32; IEC 68-2-27 |
| Vibration | MIL-STD 810FG 514.6, Procedure I, Category 24, Fig 514.6E-1 & 514.6E-2; & ASTM 4169-99, Truck Assurance Level II, Schedule E |
| ESD | IEC 100-4-2 |
| Moisture | MIL-STD 810G 506.5 Procedure I; & IEC 60529 IPX4 |
| Dust | IEC 60529 IP5X |
| IP rating | IP 54 (IP55 with LCD protection) |
| EMC & Electrical Safety | EN 300 328 V.1.6.1 (2004-11) EN 301 489-1 V.1.4.1 (2005-09) EN 301 489-17 V.1.6.1 (2002) EN 50371: 2002 |

Meets the operational ratings:

| | |
|-------------|---|
| Temperature | Operating: -20C ~ 50C Storage: -55C ~ 75C |
| Humidity | Operating: 5% ~ 95% |
| Altitude | Operating: 4,570m (15,000ft) Storage: 12,190m (40,000ft) |

SPECIFICATIONS

STANDARD INCLUSIONS

| | |
|------------------|---|
| Chassis | Magnesium Alloy chassis with protective plastic corner bumpers; Fanless cooling system; Integrated heavy duty carry handle |
| Dimensions | 340mm (W) x 64mm (H) x 294mm (D); exclusive of bumpers |
| Weight | 6.0kg |
| Colour | Black (-I or -M models); NATO Green (-M models only) |
| CPU | Intel Core 2 Duo 2.26GHz CPU, 3Mb of L2 cache, 1066MHz FSB |
| Operating System | Windows 7 Professional |
| Display | 400NIT (cd/m ²) 17.1" WGA (1440x900 resolution) TFT daylight readable; Intel Graphics Media Accelerator 4500MHD with 1024Mb Shared RAM (32 bit OS) or 1695Mb Shared RAM (64 bit OS) |
| Memory (RAM) | 4Gb DDRIII RAM |
| Magnetic Storage | Removable cassette-mounted 500Gb SATA HDD (standard) |
| Optical Storage | DVD-RW in sealed removable cassette |
| Audio | Integrated 1W stereo speakers; integrated microphone; Intel High Definition Audio drivers |
| Keyboard | Sealed (IP67 rated) 87 key QWERTY keyboard |
| Touchpad | USB resistive; finger, gloved hand or stylus operable |
| Connectivity | PAN: Bluetooth 2.1 Class 1 + EDR LAN: 10/100 Ethernet (1x RJ45) WLAN: WiFi (802.11 a/b/g/n) |
| External Ports | Data: 2x DB9 (RS-232/serial); 1x DB25 (RS422/parallel); 1x RJ-45 (GigaLAN); 3x USB 2.0; 1x IEEE 1394 (Firewire); 1x PCIe; 1x PCMCIA Type I/II, Power: 1x DC Power In Audio & Video: 1x DB15 VGA, 1x DVI, 1x stereo headphone jack; 1x microphone jack; 1x line in, 1x speaker out Composite: 1x docking connector |
| Internal Ports | Data: 2x Serial (TTL, RS232, RS422, RS485); 4x USB 2.0; 1x Mini-PCIe, 2x Mini-PCI |
| Card Slots | 1x Express Card 34/54 Expansion Slot; 1x SD card; 1x SIM card slot (for integrated mobile 3G connectivity) |
| Battery | High capacity 9 cell battery (3-4-hour battery life) |
| Power Supply | 90V-240VAC desktop power adapter; 12V-32V DC vehicle power adaptor; ACPI 3.0 power management supported |

OPTIONS

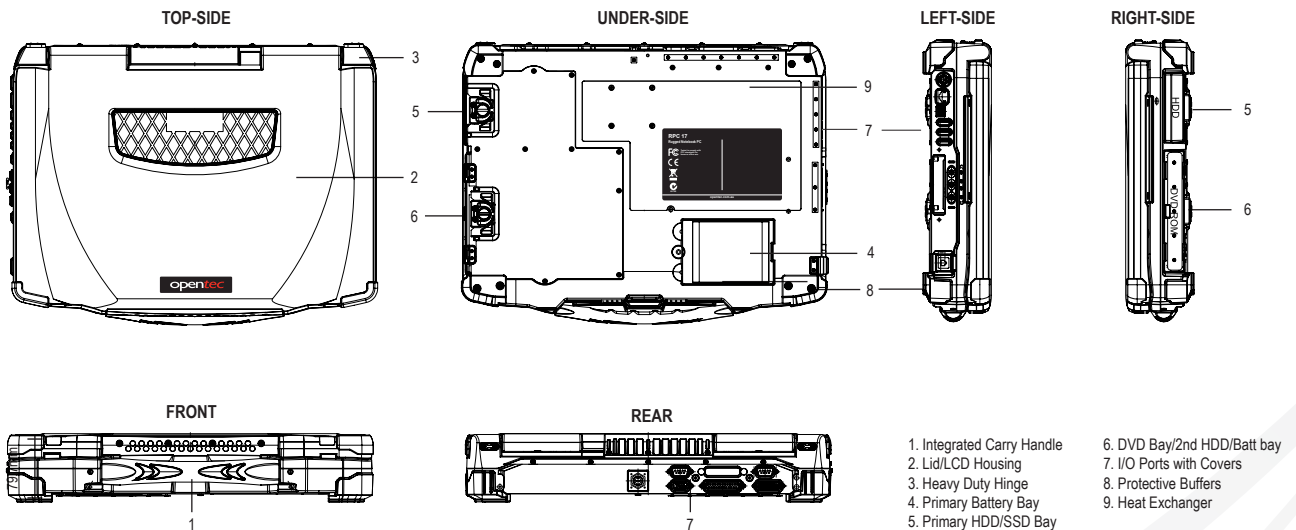
| | |
|-----------------------|---|
| CPU | Intel Core 2 Duo T9400 2.53GHz with 6Mb Level 2 cache |
| Display | Higher brightness 500NIT (cd/m ²) LED backlighting; Integrated ULTRA resistive touchscreen |
| Magnetic Storage | SATA SSD (Solid State Drive) in primary drive cassette; 2nd SATA HDD or SATA SSD in removable cassette that slots into DVD bay (supplied to user requirements) |
| Memory | Additional 4Gb DDRIII RAM (ie total 8Gb RAM) |
| Connectivity | LAN: 2nd GigaLAN port (1x RJ45) WAN: V.90 56K Modem/Fax WLAN: WiFi (802.11 a/b/g/n) WWAN: Cinterion HC25 UMTS/HSDPA (3G) card with external ruggedised antenna |
| Battery | 2nd 7200 mAh Lithium Ion battery in removable cassette that slots into DVD bay; Desktop 240VAC charger with 2x primary and 2x secondary (cassette mounted) battery bays |
| Keyboard | Backlit 89 key QWERTY keyboard with English or Arabic character set External IP65 USB keyboard (lit or unlit) with English or Arabic character set |
| GPS | Ublox LEA-5H |
| Docking | Desktop: 'DockUnder' docking cradle with 4x USB, 1x RJ45 (LAN), 1x VGA out, 1x DB9 (RS232), 1x DC power in, 1x Kensington lock, 1x coax GPS external antenna port, 2x battery charger slots Vehicle: vehicle mounting systems on request |
| Portability/Transport | Soft carry cases or Pelican rugged transport cases to customer requirements |
| Miscellaneous | Clear Plastic Keyboard Protector Windows 7 for Arabic Embedded Customer-Supplied Electronics Customised Ports |

WARRANTY

Standard 12 month 'Return-To-Base' Warranty.
Optional extended warranties up to 3 year total.

MODELS

Industrial Rugged: **RPC 17W-I**
Military Rugged: **RPC 17W-M**
(*W denotes WXGA LCD)



for when the going gets BEYOND tough!



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