



For when the going gets beyond tough

Series 5 'RPC 15' Rugged Personal Computers with 15" LCDs



Models

Industrial/Commercial grade:

| | |
|------------------|--------------|
| RPC 15X-I | 15" XGA LCD |
| RPC 15S-I | 15" SXGA LCD |

Military/Defence grade:

| | |
|---------------------------|--------------|
| Openfire RPC 15X-M | 15" XGA LCD |
| Openfire RPC 15S-M | 15" SXGA LCD |

Key Features

- 15" XGA (1024x768) or SXGA (1400x1050) resolution daylight readable LCDs
- Optional touch screens & higher brightness (400NIT) LCDs
- Modular design includes removable sealed HDD, DVD & battery; plus capacity to upgrade to enhanced connectivity options including NextG, plus additional battery
- Fan-less cooling system for superior durability & longer battery life
- Exceed MIL-STD 810F for durability, shock & impact resistance
- MIL-spec models exceed MIL-STD 461E emission

The 'Series 5' Intel Core 2 Duo powered RPC 15-I (Industrial grade) and Openfire RPC 15-M (Military grade) range of rugged personal computers are true workhorses, built to thrive in the outdoors. Based on the battlefield proven RPC 13 range, they feature a larger LCD with optional SXGA resolution for graphics intensive applications.

Also standard is a DVI port, internal space for third-party add-on boards (such as avionics test electronics), a removable PCMCIA chassis that can be customised to support longer cards, and a resistive mouse pad that can be operated by finger, gloved hand or stylus (try THAT with an office grade computer using a standard capacitive pad!). Add to that optional touch screens, on-board heaters for cold starts in sub-zero temperatures, and (on our '-M' models) ultra-low emissions for EW applications, and Mil-Spec positive-lock, circular connectors, and you start to appreciate that these are bona fide work tools, not smart executive toys.

As with all our computers, the RPC 15s feature passive cooling (no fans to clog or drain batteries), as well as fully sealed and extremely durable HDDs and DVDs, double sealed ports and keyboards, rugged integrated handles and buffers, heavy duty LCD hinges, toughened LCD overlays and a full range of connectivity options, including Bluetooth, 11/54Mbps Wireless LAN (WiFi), GSM/GPRS and Next-G.



Rugged Magnesium alloy case



Removable battery, HDD & DVD



Sealed IP55 Rated Chassis



Integrated Carry Handle



Heavy Duty Hinge Mechanism

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

| | | | |
|--|---|---|--|
| Product in brief | Rugged MIL-Std 810F compliant notebook PC with 15" XGA or 15" SXGA daylight readable LCD; removable primary battery, HDD and DVD; double sealed ports and keyboard; includes 240VAC and vehicle chargers | | |
| Environmental, Safety & EMC | IP-55 rated, MIL-STD-810F compliant; -20°C~50°C operating range; ACA, CE, FCC compliant | | |
| CPU Type/Speed | Intel Core 2 Duo 1.66GHz with 2Mb/4Mb L2 cache | Operating System | Windows XP Pro |
| Options & Accessories | <ul style="list-style-type: none"> - Touch screen - Higher brightness 500NIT LCD - Flash drive - DVD-RW - Desktop docking station - LCD & CPU pre-heaters | <ul style="list-style-type: none"> - Desktop battery charger - Secondary battery - GPS & Connectivity options, as below - Hard or soft carry case - backlit keyboard - external keyboard (lit or unlit) | <ul style="list-style-type: none"> - clear plastic keyboard protector - Windows for Arabic; Arabic keyboard - additional or customised ports - embedded customer-supplied electronics - embedded Opentec-supplied devices |
| RAM Type/Capacity | 1Gb DDRII, expandable to 4Gb | | |
| Dimensions (HxWxD)mm | 78.7 x 351.6 x 294.2 | Weight incl Batt & HDD | 5.9kg |
| Screen Type | 15.1" Daylight readable; optional 500 NIT 'High Bright' LCD; optional Touch Screen | | |
| Screen Type & Resolution, WxH (Pixels) | XGA, 1024x768; optional SXGA, 1400x1050 | Graphics/Screen driver | Integrated 32bit 2D/3D gfx core, 224Mb Shared RAM; optional Nvidia MXMII 256 MB VRAM (standard with SXGA LCD) |
| Chassis construction | Magnesium alloy | Chassis colour | Black (-I or -M models); NATO Green (-M models only) |
| Magnetic Drive Type/Capacities | Removable cassette-mounted 120Gb or 160Gb SATA HDD; optional Flash drive | | |
| Optical Drive | DVD-R in sealed removable cassette; optional sealed removable DVD-RW | | |
| Battery pack | Removable Lithium Ion type; optional secondary battery (slots into optical drive bay) | | |
| Vehicle Power Adapter | 12~32V | Mains Power Adapter | 90~240VAC 50/60Hz |
| External I/Os (ports) | 1 x 1000BaseT Gigabit LAN 2 x Serial (DB9 RS-232, COM 1+2) 1 x PS/2 2 x USB 2.0 1 x IEEE 1394 Firewire | 1 x PCMCIA Type II 1 x PCIe 1 x Parallel port 1 x Docking station port 1 x VGA Port | 1 x DVI Port 1 x Microphone 1 x Speaker Out 1 x Line In |
| Keys/Keypad | Fully sealed 89 key QWERTY keyboard | Audio | Integrated stereo speakers |
| Docking Station | 'DockUnder' desktop docking station; optional Mil-spec 'DockUnder' | Additional Internal I/Os | 1 x PCI 2 x PCIe |
| Optional Connectivity | WLAN 802.11 b/g V.90 56K Modem/Fax | GSM/GPRS/EDGE Next-G (UMTS/HSDPA) | Bluetooth GPS |

Specifications ('-M' models)

| | |
|------------------------------|--|
| Additional standard features | Mil-Circ power connectors on notebook power and adapter power connectors on-board HDD pre-heater MIL-STD 461E compliant ultra-low EMC electronics (EW rated) |
| Mil-spec options | Additional Mil-Spec ports Embedded data encryption and 'stealth/EW grade' 802.11b 'long-haul WiFi' pack |

Accessories



External Keyboard



Removable Batteries



Rugged HDDs



Rugged DVDs

OPENTEC SOLUTIONS PTY LTD ABN 28 003 054 304
Unit 9, 1-3 Endeavour Rd, Caringbah NSW 2229 Australia
Phone +61 2 9575 0925 Fax +61 2 9575 0999 Email sales@opentec.com.au

opentec.com.au