

# SPECIFICATION SHEET



## RPC17 Series 7 RUGGED NOTEBOOK PCs with 17.1" LCDs

RELEASE DATE: 10/12/14



### PRODUCT OVERVIEW

The 'Series 7' RPC17 notebook computers with 17.1" LCDs combine the faster, gutsier 1.5GHz (Upto 2.4GHz) Intel i7-2610UE CPU with larger hard drives, more RAM, enhanced external dust seals, more rigid screen housings, higher ingress protection ratings and brighter LED back-lighting. They offer in most respects the same features as the RPC13 models, with the added benefit of having optional higher resolution SXGA LCDs, an internal expansion card slot, a DVI port, as well as rear and side chassis space to accommodate additional I/Os. This makes the RPC17 a more flexible option for applications requiring integration with 3rd party electronics and where additional external device connectivity is required; or requiring more graphics intensive applications need to be run.

Based on the proven chassis design that has made this model's durability legendary in industrial and defence markets, the RPC17 is available in either Industrial Rugged ('-I') or Military Rugged ('-M') models. Like all its stable mates, these notebooks don't just exceed MIL-STD-810F standards for vibration, impact, dust and moisture resistance, they raise the bar to new levels.

The RPC17 also shares some features and options with its stablemate, the RPC 15, thus making it an option for in-vehicle or field operations server where a smaller footprint is required. An optional CAN-Bus interface, integrated card chip reader, internal vehicle power adapter (meaning it can be plugged directly into 12-32V DC vehicle supplies without an external power adapter) and optional GPS and 3G modules make it ideal for vehicle based applications in confined spaces.

The external DVI port for applications where a second screen is required (e.g. for field command and control scenarios) can be supplied with standard DVI pin-outs or custom pinning to suit specialised external monitors. And because it's an Opentec product, the options for PCB, chassis and mounting system customisation are extensive.

### KEY FEATURES

- 1.5-2.4GHz Intel i7-2610UE processor
- 17" WXGA (1440x900) LCD or WSXGA (1680x1050) with LED back-lighting & Optical bonding
- Optional standard touchscreen resistive, Sunlight readable
- 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	RPC17-I RPC17-M
Classes	Industrial                      Military
Levels	Fully Rugged Plus      Super Rugged



### STANDARDS

Meets or exceeds the following standards:

Drop/Shock	MIL-STD 810FG 516.6, Procedure I (1.22 m 26 drops test); 40G 11ms
Vibration	MIL-STD 810FG 514.6, Procedure I, Category 1, 14, 20 Tracked Vehicle Vibration Helicopter Vibration O H58A/C Comp. Wheeled Vehicle Vibration
Rain	MIL-STD 810G Method 506.5
Solar Radiation	Diurnal Cycle A1 worldwide deployment
Explosive	MIL-STD-810G Method 511.5
IP rating	IP 65
EMC & Electrical Safety	CE, FCC MIL-STD-461F EN 60950-1:2006+A12:2011 EN 55022 Class B (2010)

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	410mm (W) x 74mm (H)x 315mm (D); exclusive of bumpers
Weight	5.89kg
Colour	Black (-I or -M models); NATO Green (-M models only)
CPU	Intel i7-2610UE 1.5 GHz CPU (2.4 GHz Max), 1333 MHz FSB
Operating System	Windows 7 / 8 Professional (32 / 64 Bits)
Display	17.1" WXGA (1440x900 resolution) LED backlight, daylight readable; Intel HD Graphics 3000 with Shared RAM depends on type & version of the installed operating system.
Memory (RAM)	Up to 16GB DDRIII 1333 MHz RAM (2 slots)
Magnetic Storage	Removable cassette-mounted 500Gb SATA HDD (standard)
Optical Storage	DVD-RW in sealed removable cassette
Audio	Integrated stereo speakers; HD sound
Keyboard	87 keys keyboard standard
Connectivity	PAN: Bluetooth 3.0+HS, 4.0(BLE)(Option) LAN: 1000 Ethernet (1x RJ45) WLAN: Intel 6235 (802.11 a/b/g/n)(Option)
External Ports	Data: 2x DB9 (RS-232/422/485); 1x DB25 (parallel); 1x RJ-45 (GigaLAN); 1x USB 2.0; 2x USB 3.0, 1x IEEE 1394a (Firewire); 1xDVI, 1xVGA, 1xPS/2 Power: 1x DC Power In Audio & Video: 1x stereo headphone jack; 1x microphone jack; 1x line in, 1x speaker out
Internal Ports	Data: 4x Serial (TTL, RS232, RS422, RS485); 4x USB 2.0; 4x Mini-PCIe(3x full-size / 1x half-size)
Card Slots	1x Express Card 34/54 Expansion Slot; 1x SIM card slot (for integrated mobile 3G connectivity)
Battery	High capacity battery (8700mAh, 10.8V)
Power Supply	90-240VAC, 50Hz-60Hz input, 90W DC19V; 12V-32V vehicle power adaptor; ACPI 3.0 power management supported

## OPTIONS

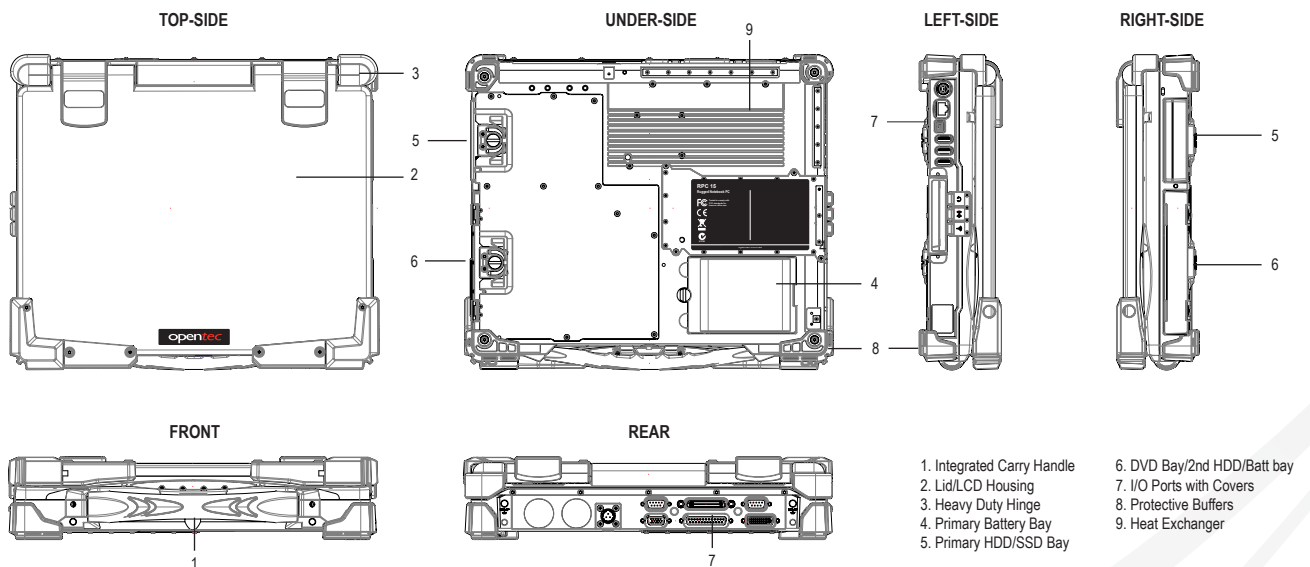
Display	WSXGA (1680x1050 resolution) LCD; Higher brightness backlighting; Sunlight readable resistive touchscreen
Magnetic Storage	SATA SSD (Solid State Drive) in primary drive cassette; 2nd SATA HDD or SATA SSD in removable cassette that slots into DVD bay (supplied to user requirements)
Memory	Additional DDRIII RAM (ie total 16Gb RAM)
Connectivity	LAN: 2nd GigaLAN port (1x RJ45) COM Port: External COM3 & 4 WLAN: WiFi (802.11 a/b/g/n) WWAN: Integrated 3G (UMTS/HSDPA) with external antenna
Battery	2nd 8700 mAh Lithium Ion battery in removable cassette that slots into DVD bay; Desktop 240VAC charger with primary and secondary (cassette mounted) battery bays
Keyboard	Backlit 89 key QWERTY keyboard with English or other character set External IP54 USB keyboard (lit or unlit) with English or other character set
GPS	Ublox LEA-6H
DC Power	Built-in vehicle adapter (12V - 32V) SP200 surge protector
Security	TPM Module
Special Bus	Internal CAN BUS interface Integrated chip/smart card reader
Portability/Transport	Soft Carry Cases or Pelican rugged transport cases as required
Miscellaneous	Clear Plastic Keyboard Protector Military grade connectors interface upgrade 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-15II S7**  
Military Rugged: **RPC-15IM S7**



1. Integrated Carry Handle
2. Lid/LCD Housing
3. Heavy Duty Hinge
4. Primary Battery Bay
5. Primary HDD/SSD Bay
6. DVD Bay/2nd HDD/Batt bay
7. I/O Ports with Covers
8. Protective Buffers
9. Heat Exchanger

for when the going gets BEYOND tough!



**Opentec Solutions**  
(a division of Inventis Technology)  
Building 1A, Greystanes Park East  
1-5 Reconciliation Rise, Pemulwuy NSW 2145  
Phone: + 61 2 8037 5500  
Fax: + 61 2 9631 2488  
Email: sales@opentec.com.au