

SPECIFICATION SHEET



RPT 7 RUGGED UMPC

RELEASE DATE: 15/04/11
DOCUMENT #: D1512V01



PRODUCT OVERVIEW

The **Opentec RPT 7** is a 'Fully Rugged' rated Ultra-Mobile PC (UMPC, or 'handheld') device suitable for truly mobile applications. With a compact design and weighing only 1.1kg, it's designed to withstand the sorts of shocks, spills and levels of moisture you're likely to experience in a wide range of vehicle-based, industrial or outdoor (e.g., field service or mining) applications.

Powered by a 1.6GHz Intel Atom CPU with 2Gb RAM and featuring a 120Gb HDD (Hard Disc Drive) (or optional SSD Solid State Drive) and 7" daylight readable WSVGA touchscreen LCD, it comes with a host of standard features such as WiFi, Bluetooth and in-built camera, plus options including WWAN (3G), GPS, barcode and RFID scanners. The optional high capacity batteries deliver up to 8-hours-plus battery life, making it ideal for extended use away from mains power.



Multi-Function Keypad



Magnesium Alloy chassis



Dual Long Life Batteries



Added impact protection



Flexible Connectivity Options



Desktop Cradle

KEY FEATURES

- 7" LED backlit WSVGA touchscreen
- 1.6GHz Intel ATOM processor
- Quick-release hot-swappable batteries with 4-hour capacity (optional high capacity batteries available)
- Wide operating temperature range with optional HDD heater for sub-zero starts
- Highly dust, moisture, impact & vibration resistant
- Modular port design for enhanced flexibility

RUGGEDISATION

Class	Industrial
Level	Fully Rugged



STANDARDS

Meets or exceeds the following standards:

Drop/Shock	MIL-STD 810G 516.6, Procedure IV (1.22 m / 4ft drop test) IEC 68-2-32 IEC 68-2-27
Vibration	MIL-STD 810G 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
Full IP rating	IP 54
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 ~ 60C 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 design uses passive heat dissipation via case Includes carry strap with stylus holder
Dimensions	225mm (W) x 145mm (H)x 29.8mm (D); exclusive of bumpers
Weight	1.1kg
Colour	Black
CPU	Intel ATOM Z530P 1.6GHz CPU with 533MHz Front Side Bus (FSB)
Operating System	Windows XP Pro or Windows 7 Pro
Display	7" WSVGA (1024x600 resolution) TFT polarised LCD with integrated touchscreen; LED backlighting; built-in ambient light sensor (auto-adjusts LCD brightness); optional higher brightness LCD & optional digitiser (for handwriting recognition & on-screen sketching); see also OPTIONS below
Touchscreen	Integrated resistive touchscreen; finger or stylus operated (stylus included)
Maximum Memory	2Gb SO-DIMM DDRII RAM
Storage	120Gb 1.8" SATA HDD; features in-built accelerometer that auto-parks drive if unit is dropped; see also OPTIONS below
Optical Drive	N/A; use external drive if required
Audio	1x 1.5W speaker, integrated microphone; Intel High Definition Audio drivers
Keyboard & Controls	Back-lit alpha-numeric keypad with programmable function keys; Keys include: Enter, Escape, Security, Rotate Display, Suspend Power; & Up/Down/Left/Right navigation pad
Data Collection	see OPTIONS
Connectivity	WLAN: WiFi (802.11 a/b/g/n); LAN: 10/100 Ethernet (1x RJ45) PAN: Bluetooth 2.1 Class 1 + EDR; see also OPTIONS
Ports	1x DB9 (RS-232 serial); 1x RJ-45 (GigaLAN); 1x USB 2.0, 1x Power In; 1x docking connector; 1x stereo headphone jack; 1x microphone jack
Card Slots	1x Express Card 34/54 Expansion Slot; 1x SD card; 1x SIM card slot (for integrated mobile 3G connectivity)
Camera	2.0 MegaPixel camera (on rear of unit)
Battery	Dual hot-swappable 4-hour Lithium Polymer Battery; see also OPTIONS below
Power Supply	100-240VAC, 50Hz-60Hz in/out; 19V, 3.42A output; ACPI 3.0 power management supported
Included Accessories	240VAC power adapter; tethered stylus

OPTIONS

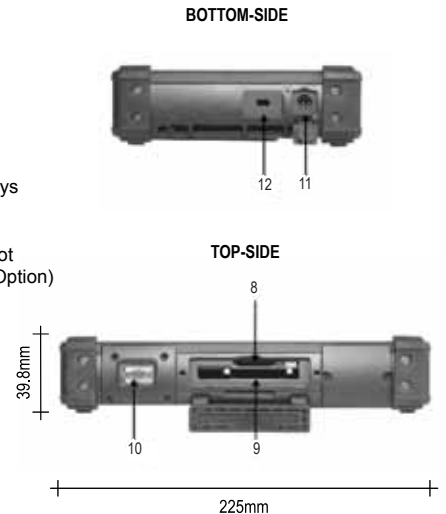
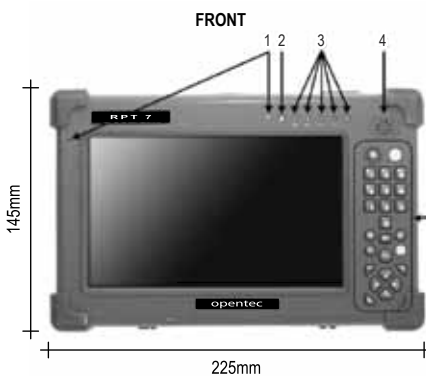
Display	Higher brightness 400NIT LED backlit 7" WVGA (1024x600 pixel) LCD
Storage	SATA Solid State Drive (SSD); choice of 4Gb, 8Gb, 16Gb or 32Gb
Data Collection	1D/2D barcode scanner; RFID scanner
Connectivity	Integrated 3G (UMTS/HSDPA); Integrated GPS; desktop docking cradle with port replicators
Battery	High capacity batteries, for up to 8-hours battery life

ACCESSORIES

Stylus	Tethered stylus (1 supplied as standard)
Mounting	Desktop: 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: RAM Mount vehicle mounting systems (various) Panel/Bulkhead: VESA panel mounting system
Portability/Transport	Pelican brand rugged transport case (range of sizes & types available)

WARRANTY

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



1. Microphones
2. Light Sensor
3. LED Indicators
4. Speaker
5. Keyboard
6. Modular I/O port Bays
7. Docking Connector
8. SD card slot
9. Express Card 34 Slot
10. Barcode Scanner (Option)
11. DC In
12. Kensington Lock
13. Camera
14. Battery 1
15. Battery 2

for when the going gets BEYOND tough!



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