

RNC2-150

MIL GRADE RUGGED NOTEBOOK

Optimized for High Shock / Vibration

SYSTEMS ENGINEERED TO PERFORM®

RUGGED MILITARY CLASS



Powered by a dual-core Intel® Core™ 2 Duo processor and equipped with either a 14.1" or 15" Sunlight Readable LCD screen, the RNC2-150 may be used outdoors as well as indoors without being affected by direct sunlight. You can switch from built-in WLAN to an optional 3G communication solution to maintain accessibility to the network without adding any extension modules. In tough environments security always matters, and the RNC2-150 has a built-in TPM 1.2 chip and SmartCard reader to protect your valuable data. The magnesium alloy case, shock-mounted hard drive, and spill-resistant keyboard and touch pad make the RNB230 MIL-STD-810F and IP54 compliant to withstand any mishap.

To comply with military security standards, factory options are available to remove or disable communication ports such as Ethernet & WiFi in hardware.

FEATURES

- MIL-STD 810F and IP54 compliance
- Fan-less chassis design
- Full magnesium alloy case
- Sealed ports and connectors
- Shock-mounted removable HDD
- Vibration, drop and shock resistant
- Sunlight Readable LCD screen
- 14.1" XGA or 15" SXGA+ LCD displays
- NVIDIA 3D discrete graphics optional
- Standard Gigabit Ethernet, 802.11a / b / g, and Bluetooth



The Original Industrial Computer Source®

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RNC2-150 RUGGED MIL GRADE NOTEBOOK COMPUTER

CPU

Intel® Core™ 2 Duo L7400 1.50GHz processor, 667 MHz FSB

L2 Cache

4MB L2 Cache

Memory

1GB DDR2 expandable to 4GB

Chipset

Intel® 945GM
667MHz FSB

Video

Intel® 945GM GMA950 with 128MB shared memory
Available NVIDIA GeForce 8400 with 256MB VRAM (Standard on 15")

Display

14.1" XGA (1024x768) with Intel graphics (optional NVIDIA graphics)
15.0" SXGA+ (1400x1050) LCD with NVIDIA video standard
Standard Sunlight Readable LCD
Optional Touchscreen LCD
Optional Transflective Sunlight Readable Display

Hard Disk

Shock mounted removable SATA 120GB Hard Drive, expandable to 250GB
Optional Solid State Drive up to 256MB
Low Temperature -20°C Hard Drive

Expansion Bay

Standard DVD Super Multi Drive (CDRW / DVD+/-RW)
Optional 2nd battery

Communication

10/100/1000 base-T Ethernet
56K ITU V.92 modem
Intel® PRO/Wireless 3945ABG
Optional GPS (with internal antenna)
Standard Bluetooth (v2.0 class 1)
Optional Internal 3G - CDMA/CDMA2000 1x/CDMA2000 1x-EV-DO
Optional Internal 3G - GSM/GPRS/EDGE/UMTS/WCDMA/HSDPA

Expansion Slots

PCMCIA Type II x 2 or Type III x 1

Keyboard

Waterproof membrane keyboard
Optional Waterproof LED back-lit Rubber Keyboard

Pointing Device

Capacitive touchpad
Optional gloved use touchpad (pressure sensitive)

I/O Ports

Serial port x 1 (optional 2nd serial port, replacing parallel port)
USB 2.0 x 2
External VGA x 1
1394B x 1 Standard
Parallel port x 1 Swappable to 2nd serial port (Factory Option)
RJ-45 x 1 Ethernet
RJ-11 x 1 Modem
Microphone x 1 / Line out x 1
IrDA
Docking port (POGO)
GPS pass-through antenna
Optional SmartCard Reader (Occupies one PCMCIA type II slot)
Optional external GPS antenna pass-through connector (male SMA, replaces IrDA)

AC Adapter

90W, 100-240V, 50/60Hz

Battery

Li-Ion Smart battery (7800mAh Approx 4hrs)
2-bay and 10-bay external battery charger available

Operating System

Microsoft® Windows® XP Professional
Supports Microsoft® Windows® Vista

Dimensions / Weight

14": 328 x 272 x 46 mm (12.9" x 10.7" x 1.8"), 4.15 kg (9.16lbs)
15": 338 x 286 x 46 mm (13.3" x 11.3" x 1.8"), 4.4 kg (9.9lbs)

Security

TPM 1.2
Kensington lock
Optional SmartCard reader (occupies one PCMCIA type II slot)

Warranty

Standard 5 year warranty

Temperature

According to IEC 68-2-1, 2, 14 / MIL-STD-810F, Method 501.4, 502.4
Operating: 0°C to 55°C (Tested) / -20°C to 55°C (Optional)
Non-operating: -40°C to 70°C (Tested)

Humidity

According to IEC 68-2-30 / MIL-STD-810F, Method 507
5% to 95% RH, Non-condensing

Altitude

According to IEC 68-2-13 / MIL-STD-810F, Method 500.4
Operating: 15,000ft; Non-operating: 40,000ft
Altitude Change Rate: 2,000 ft/min

Vibration

According to IEC 68-2-6 / MIL-STD-810F, Method 514.5
Operating: 10~57.5Hz/0.075mm, 57.5~500Hz/1.0g
MIL-STD-810F 514.5C1-High Way Truck Vibration Exposure
Non-operating: 10~57.5Hz/0.15mm, 57.5~500Hz/2.0g
MIL-STD-810F 514.5C-17 General Minimum Integrity Exposure

Shock

According to IEC 68-2-27 14 / MIL-STD-810F, Method 516.5
Operating : 15g, 11 ms, Half Sine Wave
Non-operating : 50g, 11 ms, Half Sine Wave

Drop

According to IEC 68-2-32 / MIL-STD-810F, Method 516.5
3 foot height free drop on steel plate, 4 foot height free drop on wood plate, tested 26 times

Enclosure

UL 1604 Class I Division 2 (Intrinsically Safe for hazardous environments)
According to IEC 529, NEMA, MIL-STD-810F, Method 506.4, 510.4, IP54 Compliance
Individually sealed ports and connectors
Full magnesium alloy case

Regulation

EPEAT Silver, FCC part 15, Subpart B, CE Class B, UL, CUL, TUV, CE, CB, CCC, WHQL, BSMI

ESD

According to IEC 1000-4-2
Air Discharge: 0KV~8KV(included), No Any Error; 9KV~15KV, Allow Soft Error Contact
Discharge: 0KV~6KV(included), No Any Error; 7KV~ 8KV, Allow Soft Error

EMI

Optional MIL-STD 461E Upgrade (Includes 461E AC Adapter)