

Rocky IV+ - RF886EX

RUGGEDISED Notebook



The Rocky IV+ allows the operation under nearly all environmental conditions. All interfaces and drives are covered separately. The cabinet is equipped with bumpers and provides a maximum of protection against any sort of shock, vibration, dust and humidity.

Technical Data

Display	LCD 17" WXGA (1440x900)
CPU	Intel CPU Core 2 Duo Mobile T5500, 2x 1.66 GHz, 2 MB shared L2 cache
Graphics	224 MB SMA (max.) Intel Graphics Media Accelerator 950(GMA 950), integrated 256 Bit, 400MHz core 3D/2D, Dynamic Video Memory Technology (DVMT)
RAM	1 GB - 4 GB DDR2 RAM
Storage	Removeable S-ATA HDD 120 GB
Interfaces (left)	1x PS/2, 3x USB 2.0, 1x IEEE 1394 (Firewire), 3x Audio, GIGA BIT LAN, Modem, PCMCIA 1x Typ I/II, 1x Express Card (PCIe)
Interfaces (rear)	2x serial DB9, printer, Docking Connector, DC-In, VGA, DVI
Interfaces (internal)	1x mini PCI, 2x mini PCIe 4x USB 2.0, 2x serial (TTL, COM1, COM2)
Sound	AC97 Sound, Stereo speakers
Power Supply	Lithium-Ion battery, 11.1 V, 7200 mAh
Touchpad	PS/2 resistiv
Keyboard	89 keys
Case	Magnesium
Certification	IP54, MIL-STD 810F
Dimensions	313,5 mm x 410 mm x 68,2 mm (D x W x H) 315,0 mm x 412 mm x 77,2 mm with rubber corners
Weight	5.8 kg

Environmental Specifications

Result of the US Military Standard MIL-STD-810F/EMI/RFI

MIL-Standard	Operating	Storage
High above sea level Method 500.4, Procedure I, II	4,572 m 12,180 m with special HDD housing	12,180 m
Temperature Method 501.4, Procedure I, II Method 502.4, Procedure I, II	-20°C to +50°C	-40° C to +70° C
Temperature Shock Method 503.4, Procedure I	-20° C to +60° C	-20° C to +60° C
Rain Method 506.4, Procedure I	276 kPa, 0.5 - 4.5 mm diameter	276 kPa, 0.5 - 4.5 mm diameter
Humidity Method 507.4, Procedure I	95 %	95 %
Salt Fog Method 509.4, Procedure I	5 %, 35° C	5 %, 35° C
Vibration Method 514.3 Category 1 Method 514.5 Category 14, Procedure I Method 514.5 Category 20, Procedure I	Tracked Vehicle Vibration: M548 tracked vehicle Helicopter Vibration OH58A/C Comp. Wheeled Vehicle Vibration fig. 514.5C-3 and table 514.5V-II	Tracked Vehicle Vibration Helicopter Vibration OH58A/C Comp. Wheeled Vehicle Vibration
Schock Method 516.5, Procedure I	40 g, 11 ms	40 g, 11 ms

Options:

- Removable flash disk SATA
- CD-RW /DVD-RW drive
- 56k fax/modem MDC
- 2nd LAN card 10/100/1000 MBit
- 4x RS232 external connectors
- Fiberoptic LAN 100/1000 MBit
- WLAN card (Intel Pro Wireless 3945ABG 802.11a/b/g)
- UMTS / HSDPA card (Siemens HC25)
- GPS module (UBlox-5H)
- Bluetooth v2.0 module class 1/2
- Internal CAN BUS card
- Integrated chip card reader
- Internal vehicle adapter (direct 12 V_{DC}- 32 V_{DC})
- Backlight keyboard
- Extended temperature range to - 30° C only with released HDDs, i.e. Hitachi Endurastar, or with additional heater elements
- Version with military round connectors
- MIL-STD 461E Zertifizierung Ground Navy / Ground Army
- Zone 1 / SDIP 27 Class B

Accessories:

- FDD (floppy disk drive)
- 2nd battery 11.1 V/6600 mAh Lithium Ion battery (exchangeable against DVD drive)
- 2nd HDD (exchangeable against DVD drive)
- Keyboard protection for standard keyboard without backlight
- PC card cover (protection of the PC card connector)
- External vehicle adapter (12 V_{DC}- 32 V_{DC})
- Battery charger for primary and secondary battery

- ▶ Rugged
- ▶ High Performance
- ▶ Mobile
- ▶ Modular



▶ Interfaces rear



▶ Interfaces left



▶ Protection corners



▶ Keyboard & touchpad