

Rocky III+ - RK886EX

RUGGEDISED Notebook



The Rocky III+ 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 shock, vibration, dust and humidity.

Technical Data

Display	LCD 15.1" XGA (1024x768)
CPU	Intel CPU Core 2 Duo Mobile T5500, 2x 1.66 GHz, 2MB 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
Drives	DVD - drive
Interfaces (left)	1x PS/2, 2x USB 2.0, 2x IEEE 1394 (Firewire), 3x Audio, 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 / Aluminium
Certification	IP55, MIL-STD 810F
Dimensions	284 mm x 340 mm x 64 mm (D x W x H) 294 mm x 352 mm x 79 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
Solar Radiation Method 505.4, Procedure I	N/A	Diurnal Cycle A1, worldwide deployment
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	N/A	5 %, 35° C
Explosive Atmosphere Method 511.4, Procedure I	Passed	Passed
Vibration Method 514.3 Category 1 Method 514.5 Category 14, Procedure I Method 514.5 Category 20, Procedure I	Tracked Vehicle Vibration Helicopter Vibration OH58A/C Comp. Wheeled Vehicle Vibration	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
- Resolution SXGA+ (1400x1050)
- Touchscreen resistive, sunlight readable
- Dual Drive (3-spindle): DVD+FDD internal simultaneously
- 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
- PCMCIA 2 x type II or 1 x type III
- 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
- Isolated chassis for vehicle installation
- Version with military round connectors
- MIL-STD 461E certification Ground Navy / Ground Army
- Zone 0 / SDIP 27 Class A
- 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
- Docking Station DockUnder with PCI-Slot, VGA/DVI interface and internal vehicle adapter (12 V_{DC}- 32 V_{DC})

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



▶ Interfaces



▶ Dualdrive (optional)



▶ MIL connectors (optional)



▶ Interfaces cover

Subject to change without notice