ROCKY RT9

FULLY RUGGED LAPTOP
13.3-inch Display

AMREL's ROCKY RT9 Laptop is a popular choice for many demanding applications. For over 20 years, warfighters and First Responders have counted on ROCKY laptops to successfully perform even in harsh environments.

Meets strictest ruggedness standards. Independently certified for MIL-STD 810, IP-65, and MIL-STD 461(EMI/ EMC).

Space-saving solutions. AMREL's unsurpassed skill in integration gives you the most options in space-saving solutions for the crowded compartments of fire engines, police cruisers, and tactical vehicles.

Two computers in one. The ROCKY RT9 can serve as a dual-use platform — as an independent laptop and as a component in an In-Vehicle solution.

One computer does the job of many. AMREL's proprietary Flexpedient® module lets you combine numerous single-purpose devices into one multi-functional computing solution. *Learn how by watching the video on www.flexpedient.com!*

Extended end of life. The ROCKY RT9 Laptop is designed for easy upgrades and configuration stability.

Built for customization. Modular, open platform design and a remarkably large number of configurable I/O ports ensure flexible connectivity and easy customization. AMREL extends the manufacturer's warranty to all modifications it performs.

Currently deployed customizations include:

- ☑ *Unmanned Systems Operator Control Units*
- ☑ *Concrete Screed*
- ☑ *Public Safety In-Vehicle Computer*
- ☑ *Avionic multiple application-based testing platform*
- ☑ *Many other applications*

AMREL

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G, IP-65	
Military Package (Option)	MIL-STD 461F, Metal TwistLock Amphenol (621N Series) power connector *(Individual features can be ordered separately)*	Ground Army available (EMI)
Operating System[1]	Genuine Microsoft Windows® 7 Professional 32-bit	Genuine Microsoft Windows® 7 Professional 64-bit Genuine Microsoft Windows® 7 Ultimate 32/64-bit
CPU	Intel® Core 2 Duo P8400 2.26 GHz Processor 1066MHz FSB, 3MB L2 Cache	
Memory	2GB DDR3 1066 MHz	Up to 8GB DDR3 1066MHz (supports 64-bit)
Graphics	▪ Intel GMA 4500 MHD ▪ Max 1695 MB Shared System Memory (64-bit) ▪ Max 1024 MB Shared System Memory (32-bit)	
Display	▪ 13.3" XGA (1024 x 768) TFT LCD ▪ Sunlight readable, anti-reflective treatment	▪ Resistive touch screen
Storage	▪ 500GB (5400 RPM) Removable HDD with heater ▪ 2.5" high shock-resistant SATA HDD ▪ Max. 9.5 mm height	▪ Any 2.5" SATA HDD, Max. 9.5 mm height* ▪ Solid State Hard Drive (SSHD)*
Audio	▪ Integrated speakers ▪ Intel HD audio	
Keyboard & Touchpad	▪ Standard 87-key keyboard ▪ Touchpad	89-key backlit keyboard
Flexible Expansion Bay	Removable SATA DVD+/-RW with Nero	Swappable 2nd battery, or 2nd HDD/SSHD, or Flexpedient® module
I/O Interface	**LEFT:** Gigabit LAN x 1, PS/2 x 1 (KB+mouse), USB 2.0 x 3, IEEE 1394 (Fire wire) x 1, Express Card x 1, Mic/line-in/headphone **REAR:** DC Power Jack x 1, VGA x 1, Docking port x 1, Printer port x 1, Serial port x 2 (COM 1/2) RS-232/422/485	Modem x 1, Serial port x 2 (COM 3/4) RS-232/422/485, PC Card Type I/II x 2 (no express card) PC Card Type II x 1 & Express card x 1 Military Connector x 2 (customizable)
Power	**Main Battery:** 11.1V, 8700mAh Lithium-Ion **AC Adapter:** ▪ AC Input: 100V~240V/50-60Hz ▪ DC Output: 90W max ▪ Complies with military power source AC Input: 115V/400Hz	Direct DC 12~32V input to system (MIL-1275 option) Optional MIL-1275 DC Vehicle adapter* Low EMI BVA for Ground Army solution
Color	Black or NATO Green	
Overall Dimensions	12.75 in x 10.88 in x 3.14 in 324 mm x 276.3 mm x 79.9 mm	
Weight	9.48 lbs (4.3 kg)	

Integrated Options	Optional
Wireless LAN	Intel WiFi Link 6205 a/g/n
Wireless WAN	Cinterion HC25, HSDPA/UMTS 3.5G
Wireless PAN	Bluetooth® v2.1+EDR
GPS	Ublox LEA-6H
Modem	Azalia 56kbps V.92 modem
Security	TPM v1.2 module

Accessories	Optional
2nd Battery	11.1V, 7800mAh Li-Ion, swappable with DVD+/-RW drive
2nd SATA HDD	Any 2.5" SATA HDD, max 12.7 mm height*
2nd SATA SSHD	Available*
Dual battery charger	Available
Docking Station	Serial port x 2, USB 2.0 x 2, DVI x 1, PS/2 x 1 (KB+mouse), VGA x 1, LAN x 1, Antenna hole, PCI Slot x 1, PCI Express x 1, Fan (optional)

Environmental Ratings		
MIL-STD 810G Certified		
Shock	516.6, Procedure I	
Vibration	A.	514.6, Procedure I, Category 20
	B.	514.6, Procedure I, Category 14
	C.	514.6, Procedure I, Category 1
Rain	506.5, Procedure II	
Humidity	507.5 (Aggravated)	
Salt Fog	509.5	
Altitude	Method 500.5, Procedure I Operating: 15,000 ft (4,572m) Storage: 40,000 ft (12,192m)	
High/Low Temperature	Method 501.5, Procedure I and II Method 502.5, Procedure I and II Operating: -4°F to 122°F / -20°C to 50°C Storage: -40°F to 158°F / -40°C to 70°C	
Temperature Shock	Method 503.5, Procedure I-A Operating: -4°F to 140°F / -20°C to 60°C	
Explosive Atmosphere[3]	Method 511.5, Procedure I	
Solar Radiation[4]	Method 505.5, Procedure I-A1	
MIL-STD 461F Certified	EMI/EMC (Military Package only)	
IEC IP-65	Dust-tight; water jets	

[1] Computer is Linux compatible; WinXP downgrade available
[2] Watch the video on www.flexpedient.com for more information
[3] [4] Compliant to MIL-STD 810G
* Contact us for more information
* * Specifications subject to change without notice

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