ROCKY RK9-I

FULLY RUGGED LAPTOP
15-inch Display

Combining durability with portability, the ROCKY RK9 is one of AMREL's most popular computer platforms. Used in the harshest conditions, it is employed for everything from gas detection to unmanned systems control.

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

Decades of dependable durability. Having proved its reliability for years in the harshest environments, the ROCKY RK9 is the perfect laptop for warfighters, fire fighters, police, EMS, and other must-perform applications.

Extended End of Life. The ROCKY RK9 Laptop is designed for easy upgrades and configuration stability.

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!*

Modular design, easily customizable, very configurable. 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 (Depolyed in PackBot, IbisTek, Cobham/DTC, SeaBotix, Black-I, and many more)*
- ☑ *Portable Sensor Control*
- ☑ *Search & Rescue*
- ☑ *Flight Line*
- ☑ *Portable Radio System*
- ☑ *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 Windows® 7 Professional 64-bit Genuine Windows® 7 Ultimate 32/64-bit
CPU	Intel® Core 2 Duo P8400 2.26 GHz Processor 1066MHz FSB, 3MB L2 Cache	Intel® Core 2 Duo T9400 2.53 GHz Processor 1066MHz FSB, 6MB 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)	nVIDIA Geforce 9300 512MB DDR2
Display	▪ 15" XGA (1024 x 768) LED Backlit ▪ Sunlight readable, anti-reflective treatment	▪ 15" SXGA+ (1400 x 1050) LED Backlit ▪ 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[2]
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, DVI 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	13.84 in x 11.58 in x 3.10 in 351.6 mm x 294.2 mm x 78.7 mm	
Weight	12.35 lbs (5.6 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 Slots x 2, 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	Method 511.5, Procedure I	
Solar Radiation	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
* Contact us for more information
* * Specifications subject to change without notice