



FULLY RUGGED LAPTOP

17.1-inch Display

The only rugged laptop with a 17.1" display on the market. Even with its big screen, AMREL's ROCKY RF9 Laptop still meets the strictest standards for ruggedness.

Toughness you can trust. Independently certified for MIL-STD 810, IP-65, and MIL-STD 461 (EMI/EMC).

Experience you can rely on. Used in the harshest field conditions for over 20 years, AMREL's computing platforms are built with decades of expertise.

Long End of Life. 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/*

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.

The ROCKY RF9 Laptop is perfect for applications that require large data displays, such as:

- Mapping
- GIS
- Situational Awareness
- Public Safety
- Oil & Gas
- Construction
- Field work
- Many other applications

RF9 Technical Specifications

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G, IP-65	
Military Package (Option)	MIL-STD 461F, Metal TwistLock Amphenol (621N Series) power connector <i>(Individual features can be ordered separately)</i>	Ground Army available (EMI)
Operating System¹	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™ T8400 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 17.1" WXGA+ (1440 x 900) High-bright LED Backlit Sunlight readable, anti-reflective treatment 	<ul style="list-style-type: none"> 17.1" WSXGA+ (1680 x 1050) TFT LCD 17.1" WUXGA+ (1920 x 1200) TFT LCD
Storage	<ul style="list-style-type: none"> 500GB (5400 RPM) Removable HDD with heater 2.5" high shock-resistant SATA HDD Max. 9.5 mm height 	<ul style="list-style-type: none"> Any 2.5" SATA HDD, Max. 9.5 mm height* Solid state hard drive (SSHD)*
Audio	<ul style="list-style-type: none"> Integrated speakers Intel HD audio 	
Keyboard & Touchpad	<ul style="list-style-type: none"> 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, 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) x1, Express Card x1, Mic/line-in/headphone REAR: DC Power Jack x 1, DVI port x 1, VGA 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
Power	Main Battery: 11.1V, 8700mAh Lithium-Ion AC Adapter: <ul style="list-style-type: none"> AC Input: 100V~240V/50-60Hz DC Output: 90W max Complies with military power source AC Input: 115V/400Hz	DP DVI output x 1, Military Connector x 2 (customizable) 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	16.24 in x 12.53 in x 3.03 in 412.4 mm x 318.2 mm x 77 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, 7200mAh 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

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 and II 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

