ROCKY
RS11

NEW!

fully rugged laptop

Windows® 8.1

Lightest, thinnest, rugged laptop in the world

AMREL leveraged its 20 years of experience to produce a fully rugged laptop that's just an inch thick and so light that you can hold it in one hand. You no longer have to choose between genuine toughness and a convenient, portable form factor.

Rugged

When you're in the field, you can have confidence in the ROCKY RS11. Certified to MIL-STD 810 and with standard Solid State Hard Drive, the ROCKY RS11 can survive the harshest environments.

Powerful

High-performance doesn't just live in the office. Wherever you are, whatever you're doing, the ROCKY RS11's powerful i7 processor can handle the demands of the most resource-demanding applications.

Applications

Perfect for applications that require rigorous field work, heavy data input, and a large display, the ROCKY RS11can be used for:

• Onsite Data Collection & Management
• Front-Line Mapping & Situational Awareness
• Oil & Gas, Mining, & Construction
• Field Research & Surveying
• Combat Control Solutions

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G & IP-65 Certified	MIL-STD 461F (Military Package only)
Operating System	Windows® 7or 8	
CPU	Intel® Core™ i71.7 GHz Processor (Turbo Boost: Up to 2.8 GHz), 4MB Intel® Smart Cache	
Memory	4GB DDR3 1600 MHz	**Max:** 8GB DDR3 1600 MHz
Graphics	Intel® HD Graphics 4000	
Display	13.3" HD+ (1600 x900) LCD with LED B/L (IPS), Sunlight Readable	
Storage	Removable 2.5" SATA II / III SSD	SLC or MLC SSD HDD
Audio	HD Audio and Stereo Speakers, Embedded Digital Mic	
Keyboard	87-key with Backlight (Membrane Type)	
Touchpad	Capacitive Touchpad with Multi-touch (Win 8 compatible)	
I/O Interface	**Left:** SD Card Slot x 1, SIM Card Slot x 1, USB 3.0 x 1, USB 3.0 x 1 with fast charger, GLAN RJ45	
	Rear: DC-in Connector x 1	Sealed Fisher Connectors 1~5 (USB 2.0, VGA, RS232/RS422, GLAN, Audio)
	Bottom: Multi Bay port x 1 (PCI-e x 1, USB 3.0 x 1, USB 2.0 x 1, Power - VBATA/1A & 5V/1A (reserved for future use)	
Power	**Main Battery:** Removable Battery Pack: Li-ion Polymer 11.1V/6040mAh battery **AC Adapter:** 90W AC 100V~240V 50/60Hz **DC In:** 12V~32V (Industry 2 pin)	Military 3pin twisted lock upgrade on DC/IN and AC Surge Protector
Color	Black or NATO Green	
Overall Dimensions	13.3 in x 10.4 in x 1.1 in 338mm(L) x 265mm (W) x 28mm (H) (with bumper guards)	
Weight	5.5 lbs (2.5 Kg) (with battery)	

Integrated Options	Optional
Wireless LAN	Intel® Centrino Advanced-N 6235 (802.11 a/b/g/n)
Wireless WAN	Gobi 3000 HSDPA (AirPrime MC8305)
Wireless PAN	Bluetooth®
GPS	Ublox LEA-6H
Security	TPM v1.2 module

Accessories	Optional
Power	AC Adapter: 90W AC 100V~240V 50/60Hz

Standard Environmental Ratings

MIL-STD 810G Certified

Shock	516.6, Procedure I
Vibration	A. 514.6, Procedure 1, Category 20
	B. 514.6, Procedure I, Category 14
	C. 514.6, Procedure I, Category 1
Rain	506.5, Procedure II
Humidity	507.5
Salt Fog	509.5
Altitude	Method 500.5, Procedure I, II
	Operating: 15,000 ft (4,572 m)
	Storage: 40,000 ft (12,180 m)
High/Low Temperature	Method 501.5, Procedure I and II
	Method 502.5, Procedure I and II
	Operating: -4°F to 131°F / -20°C to 55°C
	Storage: -40°F to 158°F / -40°C to 70°C
	(**Optional Upgrade:** Operating: -22°F to 131°F / -30°C to 55°C)
Temperature Shock	Method 503.5, Procedure I-A
	Operating: -4°F to 140°F/-20°C to 60°C

IEC IP-65 Certified   Dust-protected; water jet

¹ Computer is Linux compatible
* Contact us for more information
** Specifications subject to change without notice

ENG-RS11-SPEC REV. B

ROCKY
RK10
NEW!

fully rugged laptop

Windows® 8.1

Fast and popular

You don't have to be fast to be popular, but it sure helps. The ROCKY RK10, the newest upgrade of our most popular laptop, has speeded up its operation with:

- Powerful i7 processor
- Expanded memory
- Improved storage
- Better graphics card
- USB 3.0 ports

Meets strictest ruggedness standards

Independently certified for MIL-STD 810 and IP65.

Decades of dependable durability

Having proved its reliability for years in the harshest environments, the ROCKY RK10 is the perfect laptop for warfighters, fire fighters, police, EMS, and other must-perform applications.

Extended End of Life

The ROCKY RK10 Laptop is designed for easy upgrades and configuration stability.

One computer does the job of many

AMREL's proprietary Flexpedient® technology 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:

- Portable Sensor Control
- Search & Rescue
- Unmanned Systems Operator Control Units
- Portable Radio System
- Flight Line
- Portable Radio System
- Many other applications

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G & IP-65	MIL-STD 461F (Military Package only)
Operating System	Windows® 7 Professional	
	Windows® 8.1 Professional	
CPU	Intel® Sandy Bridge i7-2610UE 1.5GHz	
	Processor (up to 2.40 GHz), 4M Cache	
Memory	4GB DDR3 1333MHz	Max: 16GB DDR3 1333MHz
Graphics	Intel® HD Graphics 3000	
Display	15" XGA (1024x768) LED Backlit LCD	15" SXGA (1400x1050) LED backlit LCD
		Resistive Touch Screen
Storage	Removable 2.5" 500GB (5400 rpm) SATA II HDD	2.5" SATA II SSD
Audio	Integrated speakers	
	HD audio	
Keyboard/Touchpad	Standard 87-key (membrane type)	89-key backlit (rubber type) keyboard
	PS/2 Resistive Touchpad	
Flexible Expansion Bay	Removable SATA II ODD	Swappable 2nd battery or 2nd HDD or
		Flexpedient® module
Buttons (Top)	Power Switch	
	Touchpad	
I/O Interface	**Left:**	Optional: Serial Port DB9 x 2
	PS/2 x 1 (KB + Mouse)	
	USB 3.0 x 2	
	USB 2.0 x 1 (USB Battery Charging)	
	IEEE1394a x 1	
	Gigabit LAN (RJ-45) x 1	
	Audio Jack x 3	
	(Line-In/Microphone/Headphone)	
	Express Card Slot (PCI Express) x 1	
	Rear:	Optional: Military DC Jack
	Serial DB9 x 2 (Default: COM1, COM2)	
	DC Jack x1	
	VGA x 1	
	DVI Port x 1	
	Docking Connector x 1 (Re-design) **	
	Printer port x 1	
Power	**Main Battery:**	Optional: 2nd Battery 11.1 V/8700mAh Lithium-Ion battery
	11.1 V/8700 mAh Lithium-Ion battery	
	AC Adapter:	
	90W AC 100V~240V 50/60Hz	
Color / Case	Black or NATO Green	
	Magnesium Alloy	
Overall Dimensions	13.37 in x 11.56 in x 2.51 in	
	339.6mm (L) x 293.5mm (W) x 63.7 mm (H)	
Weight	12.13 lbs (5.5 kg)	

Integrated Options	Optional
Wireless LAN	Intel Centrino Advanced-N 6235 (802.11 a/b/g/n)
Wireless WAN	Gobi 3000
Wireless PAN	Supports Bluetooth 2.1, 2.1+EDR, 3.0, 3.0+HS, 4.0 (BLE)
GPS	Ublox LEA-6H
Security	TPM v1.2 module
Built-In Vehicle Adapter	DC-IN 12V-32V (with surge protector)

Accessories	Optional	
2nd Battery	11.1 V/ 8700 mAh Lithium-Ion rechargeable	
2nd SATA HDD	Any 2.5" SATA HDD capacity, max 12.7 mm height*	
Dual Battery Charger	Available	
External Vehicle Adapter	MIL-STD 1275 DC-IN 12V-32V	
Docking Station	Serial Port (DB9) x 2, USB 2.0 x 1,	**(Upgrade - Fan)**
	USB 3.0 x 1, DVI x 1, PS/2 x 1	
	(KB + mouse), VGA x 1, M-LAN x 1,	
	Gigabit LAN x 1, Antenna hole,	
	PCI slot x 2 or PCI x 1 and PCIe x 1	

Standard 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 (4,572 m)
	Storage: 40,000 ft (12,192 m)
High/Low Temperature	Method 501.5, Procedure I and II
	Method 502.5, Procedure I and II
	Operating: -4°F to 131°F / -20°C to 55°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 511.05 Procedure I
Solar Radiation	Method 505.5 Procedure I
IEC IP-65	Dust-tight; water jets

[1] Computer is Linux compatible
* Contact us for more information
** Specifications subject to change without notice

ENG-RK10-SPEC Rev. A

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*

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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™ 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	▪ 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	▪ 17.1" WXGA+ (1440 x 900) High-bright LED Backlit ▪ Sunlight readable, anti-reflective treatment	▪ 17.1" WSXGA+ (1680 x 1050) TFT LCD ▪ 17.1" WUXGA+ (1920 x 1200) TFT LCD
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, 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 DP DVI output 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	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

[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

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	

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

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
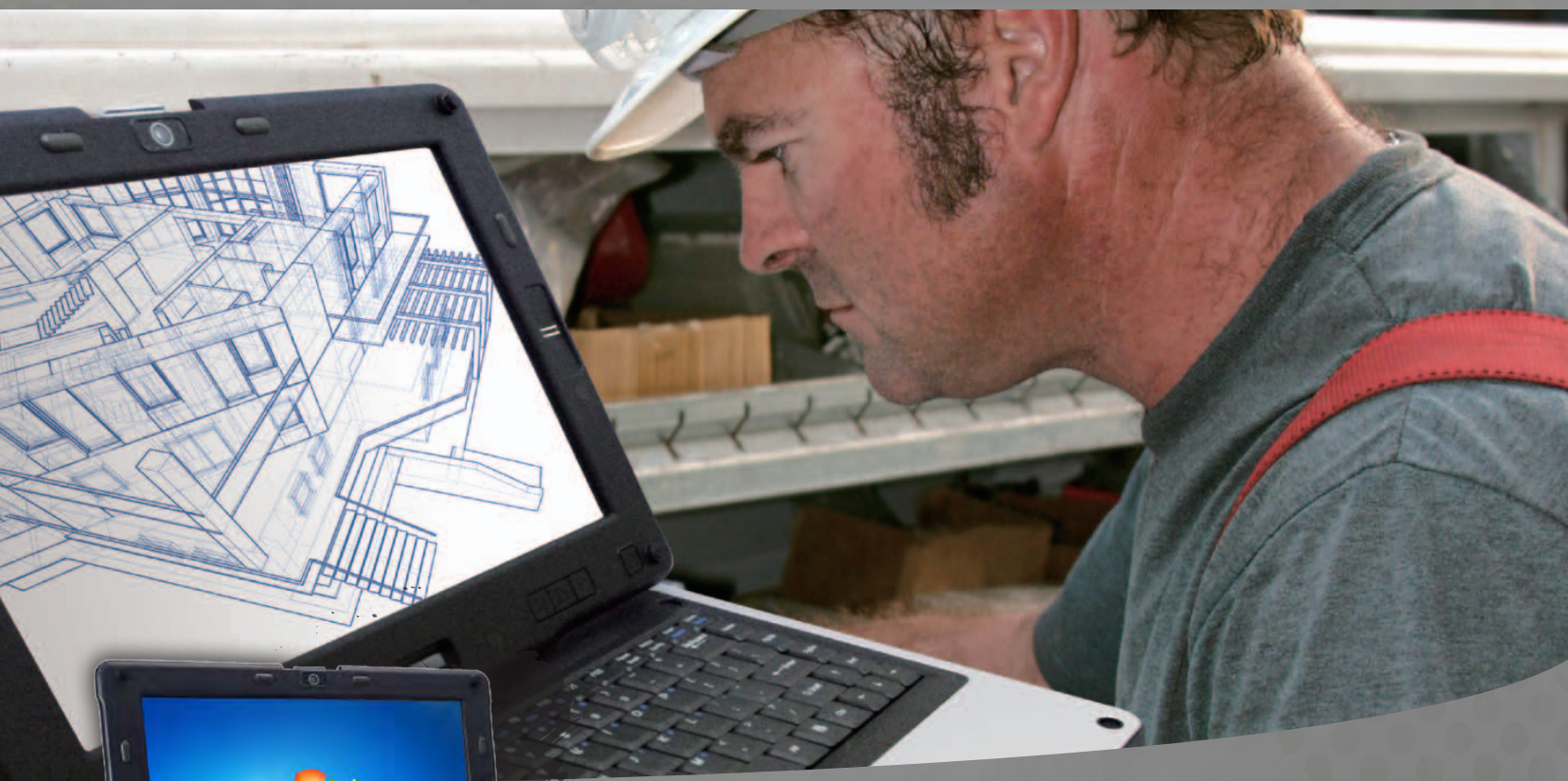[2] Watch the video on www.flexpedient.com for more information
[3][4] Compliant to MIL-STD 810G
* Contact us for more information
** Specifications subject to change without notice

ENG-RT9-SPEC Rev. C

ROCKY U12Ci

RUGGED CONVERTIBLE LAPTOP
12.1-inch Display

Rugged tablet and laptop
Built with a pivot hinge, the ROCKY U12C allows the user to turn the display module 180° and flip the 12.1" LCD/touch panel. The U12C functions equally well as a laptop and a tablet.

Light and rugged
Weighing only 5.5lbs, the ROCKY U12C is one of the lightest rugged convertible notebooks ever to pass MIL-STD 810G for Drop, Vibration, and Shock.

Convenience, security, and flexibility
* Fingerprint Scanner provides biometric protection.
* Computrace ® BIOS Anti-Theft Persistent Agent Ready.
* Stealth Mode button disables light & sound, perfect for covert operations.
* I/O Bay accommodates GPS, Smart Card Reader, and other modules.
* Quick release mechanism lets you remove HDD in seconds.

Ivy Bridge Processor
The powerful Intel® Ivy Bridge Core i5 ULV 1.7 GHz Processor is standard for the ROCKY U12C. Upgrades to i7 are available.

The ROCKY U12C is ideal for:

* ☑ *Public Safety*
* ☑ *Healthcare*
* ☑ *Utility*
* ☑ *Emergency*
* ☑ *Transportation/Distribution*
* ☑ *Government*
* ☑ *Field Service*
* ☑ *Logistics*

AMREL

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G Compliant	
Certification **Green Tech**	FCC, DOC+ID, CE, CUS EPEAT Silver, RoHS Compliance	
Operating System[1]	Genuine Microsoft Windows® 7 Home Premium 32-bit	Genuine Microsoft Windows® 7 Home Premium 64-bit Genuine Microsoft Windows® 7 Professional 32/64-bit
CPU & Chipset	Intel® Ivy Bridge Core i5 ULV 1.7 GHz Processor, 3MB Cache Intel® HM77 Chipset	Intel® Ivy Bridge Core i7 ULV 1.9 GHz Processor, 4MB Cache
Memory	2GB DDR3	Up to 16GB DDR3 (supports 64-bit)
Graphics	▪ Integrated graphic controller ▪ Max shared VRAM: 1696MB	
Display	▪ 12.1" WXGA (1280 x 800) Convertible TFT LCD ▪ LED Backlight ▪ 1.3 Megapixel Webcam above LCD panel	▪ Sunlight readable ▪ 12.1" Resistive and digitizer dual type touch panel
Storage	▪ 320GB SATA HDD	▪ 2.5" SATA HDD or SSD available ▪ Internal mSATA to support Intel® Rapid Start Technology for fast resume
Audio	▪ High definition audio, stereo; two 1.5W speakers ▪ Analog microphone	
Keyboard	Spill resistant keyboard with Function Keys: ▪ Fn+F3: Touchpad on/off ▪ Fn+F4: Suspend to RAM/Suspend to HDD ▪ Fn+F5: LCD/Ext. Display Switch (LCD-> Ext. Display-> Both) ▪ Fn+F8/F9/F10: Volume Down/Up/Mute	
Wireless **Communication**	Mini Express card slot for WLAN x 1	▪ Bluetooth® v2.1+EDR ▪ Intel Wifi Link b/g/n (PCIe MiniCard) ▪ Intel Wifi a/b/g/n (PCIe MiniCard)
I/O Interface	**I/O Devices:** SD Card reader slot supports SDHC x 1, Express 34 card slot x 1, Mic-in phone jack x 1, I/O module slot* (RS-232/422/485 & USB 2.0) x 1, Hidden capacitive touchpad - PS/2 mouse interface **I/O Ports:** USB 3.0 x 1, Gigabit LAN x 1, VGA x 1, Docking port (84-pin) x 1, eSATA/USB 2.0 combo port x 1, DC-In jack x 1	
SmartCard Module	*I/O Module: USB 2.0 x 1, RS-232 x 1 (can convert to RS-422/485)	***I/O Module slot:** See Integrated Options for other available SmartCard Modules
Power	**Main Battery:** 6-cell, 5000mAh Lithium-Ion; Approx. 6 hours (varies with use) **AC Adapter:** ▪ AC Input: 100V~240V/50-60Hz, Output: DC 19V	
Security	▪ BIOS Administrator password / Boot password ▪ Fingerprint scanner ▪ Computrace BIOS ready ▪ Kensington Lock Hole	
Color	Silver/Black Combo	
Overall Dimensions	12.7 in x 9.5 in x 1.51 in 324 mm x 230 mm x 38.5 mm	
Weight	5.5 lbs (2.5 kg) with battery	

Integrated Options	Optional
I/O Module 1	USB 2.0 x 1, Smart card reader x 1
I/O Module 2	GPS module
I/O Module 3	WWAN 3G module x 1, GPS module x 1
I/O Module 4	2nd 2MP Auto-focus camera
Wireless & Bluetooth	Intel WiFi a/b/g/n Intel WiFi b/g/n + Bluetooth® v2.1+EDR Intel WiFi a/b/g/n + Bluetooth® v2.1+EDR
Security	TPM v1.2 module

Accessories	Optional
2nd Battery	6-cell, 5000mAh Lithium-Ion; Approx. 6 hours
Carrying Case	For your convertible laptop, adaptor needs
Docking Station	RJ-45 x 1, RS-232 x 2, USB x 3, VGA x 1, Microphone/Audio x 1, DC-in x 1

Environmental Ratings		
MIL-STD 810G Compliant		
	Shock	Method 514.6, Procedure I, Category 24, Fig. 514.6E-I Non-operating: ASTM 4169, Truck Transport, 11.5.2 Random test, Assurance Level 2 (Operating)
	Drop	Method 516.6, Procedure IV 4-ft high w/ 26 drops to 2" plywood over concrete with unit off
	Temperature	Operating: -4°F to 121°F / -20°C to 50°C Storage: -40°F to 166°F / -40°C to 75°C
	Humidity	Operating: 10% to 90% RH Storage: 90% RH
Rugged Features		
	Water resistant	Spill resistant keyboard, touchpad, and buttons
	Dust resistant	All input/output ports

* * Specifications subject to change without notice

FULLY RUGGED PDA
4-inch Display

It's small, it's tough, and it gets the job done. When you have a lot of things to worry about, the ROCKY DA5+ won't be one of them. It has successfully operated in the urban streets while on patrol with the NYPD, the harsh maritime conditions on the littoral DDG-1000, as well as in-theater missions in Iraq and Afghanistan.

Independently certified rugged. MIL-STD 810, MIL-STD 461, and IP-54/IP-65.

PCMCIA slot. Perfect for your application.

Long End of Life. Designed for easy upgrades and configuration stability.

Infinitely flexible and customizable. Working from client specs, our experts have modified the DA5+for use in:

- ☑ *Real-time remote IDs/bookings*
- ☑ *Biometric collection & verification*
- ☑ *Control for Counter-Mortar Radar (LCMR)*
- ☑ *Push-To-Talk soft button walkie-talkie*
- ☑ *Many other applications*

AMREL

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810F, IP-54	
Military Package (Option)	NATO Green, MIL-STD 461E, IP-65 Metal TwistLock Amphenol (621N Series) power connector Operating temp: -4°F to 122°F / -20°C to 50°C	Ground Army available (EMI)
Operating System	Genuine Microsoft Windows® CE NET 5.0 or Windows Mobile 6.0	
CPU	Marvell PXA270 624MHz	
Memory	128MB SDRAM, 1 GB Flash ROM	
Graphics	nVIDIA GoForce 4800	
Display	▪ 4" (640 x 480) Transflective TFT LCD ▪ Touchscreen and stylus	
Audio	AC97 sound	
Keypad	▪ **For WinCE:** Power On/Off, 5 Programmable buttons with, Wireless Manager, 5-direction navigation scroll button ▪ **For WinMobile 6.0 (Premium):** Power On/Off, 5 Programmable buttons with Wireless Manager ▪ **For WinMobile 6.0 (Phone Edition):** Power On/Off, 3 Programmable buttons with Wireless Manager, Call answer and end button, 5-direction navigation scroll button	
LED Indicator	Charging: Orange, GSM On/Stand by: Green, Wireless: Blue	
I/O Interface*	**LEFT:** USB 2.0 x 1, Mini USB 1.1, Client x 1 **RIGHT:** Mic/Headphone Jack x 1, SD I/O Slot x 1 **TOP:** Serial port x 1 **BOTTOM:** DC Power Jack x 1, Charger POGO 4-PIN x1, Express card x 1, PC Card Type II x 1 (16-bit support only)	CF Card available by PC Card-to-CF adapter Cradle POGO 20-PIN x 1 (Military Package only)
Power	**Main Battery:** 3.7V, 3900mAh Lithium-Ion **Internal Backup Battery:** 3.7V, 110mAh rechargeable smart battery **AC Adapter:** ▪ AC Input: 100V~240V/50-60Hz ▪ DC Output: 36W max ▪ Complies with military power source AC Input: 100~240V/400Hz ▪ Direct DC: 12~32V input	 Optional MIL-1275 DC Vehicle adapter*
Color	Black	
Overall Dimensions	5.5 in x 6.7 in x 4.4 in 90 mm x 150 mm x 33 mm	
Weight	0.99 lbs (0.45kg)	

Integrated Options	Optional
Wireless LAN	AzureWave WiFi 802.11 b/g
Wireless WAN	Cinterion HC25, HSDPA/UMTS 3.5G Available only on WinMobile, not WinCE
Wireless PAN	Bluetooth® v2.0+EDR
GPS	Ublox LEA-5H
Camera	1.1 MP camera, high sensitivity for low light operation

Accessories	Optional
2nd Battery	3.8V, 7800mAh Lithium-Ion
Charger (IP-54 Certified)	DC jack x1, Battery charging slot x 1 Accepts both AC adapter DC 12V and vehicle battery DC 10V~32V input
Cradle (IP-54 Certified) (Military Package only)	Serial port (RS-232) x 2, USB 2.0 x1, USB Client x 1, DC Power Jack x 1, Gigabit LAN x 1, Battery charge slot x 1 Accepts both AC adapter DC 12V and vehicle battery DC 10V~32V input
Waist Pack & Battery Pouch	Available

* Contact AMREL for more information
** Specifications subject to change without notice

Environmental Ratings		
MIL-STD 810F Certified		
Shock	516.5, Procedure I	
Drop	4 feet, 26 drops	
Vibration	A. 514.5, Category 20 B. 514.5, Category 14 C. 514.3, Category 1	
Rain	506.4, Procedure II	
Humidity	507.4, Procedure I	
Salt Fog	509.4, Procedure I	
Altitude	Method 500.4, Procedure I, II Operating: 40,000 ft (12,180 m) Storage: 70,000 ft (21,287 m)	
High/Low Temperature	Method 501.4, Procedure I and II Method 502.4, Procedure I and II Operating: -4°F to 122°F / 0°C to 45°C Storage: -40°F to 158°F / -40°C to 70°C	
Temperature Shock	Method 503.4, Procedure I Operating: -4°F to 140°F / -20°C to 60°C	
Solar Radiation	Method 505.4, Procedure I-A1	
Explosive Atmosphere	Method 511.4, Procedure I	
MIL-STD 461E Certified	EMI/EMC (Military Package only)	
IEC IP-54	Dust-protected; splashing water	
IEC IP-65	Dust-tight; water jet (Military Package only)	

Windows Mobile

Windows CE

ROCKY **MRK8**
FULLY RUGGED LAPTOP

AMREL ®
Pioneering Customized Rugged Solutions

Fully rugged, medical-grade laptop
Mobile critical support for point-of-care applications

The MRK8 is a medical computer that complies with patient safety standards, but is tough enough to withstand the abuse of even the most distracted staff member.

Fully Certified:
- ✓ **IEC 60601-1** - Basic safety and essential performance of medical electrical equipment
- ✓ **MIL-STD 810 & MIL-STD 461** - Hazardous environments and electronic interference
- ✓ **IP-55 rating** - Guards against water & particulate ingress, important for anti-microbial cleanings

Rugged computers save money & time
The independent research group, VDC, found that rugged computers lowered the Total Cost of Ownership, by saving money on repair and replacement.

- ✓ **Long term sustainability** - AMREL typical support lasts 5 to 7 years, even longer
- ✓ **Critical performance** - Constructed for extreme reliability and toughness
- ✓ **Medical-grade power adapter** - Designed specifically for IEC 60601-1 compliance
- ✓ **Open-platform** - Easily install any proprietary program, including encryption
- ✓ **Extraneous ports sealed** - Ensures patient safety

Item	Standard	Upgrades
Environmental Rating	IEC 60601-1 Certified for Medical Grade MIL-STD 810F & IP-55 certified MIL-STD 461E compliant	
Operating System[1]	Windows® 7 Professional 32-bit	Windows® 7 Professional 64-bit
CPU	Intel® Core 2 Duo 1.66 GHz Processor 667MHz FSB, 3MB L2 Cache	
Memory	2GB DDR2 667MHz	Up to 4GB DDR2 667MHz
Graphics	• Intel® 32-bit 3D/2D gfx core with 224MB shared RAM	
Display	• 15" XGA (1024 x 768) TFT LCD	
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
Audio	• Integrated speakers • AC97 sound	
Keyboard & Touchpad	• Standard 87-key keyboard • Resistive Touchpad	
Flexible Expansion Bay	Removable SATA DVD+/-RW with Nero	Flexpedient® module
I/O Interface	**LEFT:** Gigabit LAN x 1, PS/2 x 1 (KB+mouse), USB 2.0 x 2, IEEE 1394 (Fire wire) x 2, Express Card x 1, Mic/line-in/headphone PC Card Type I/II x 1	
Power	**Main Battery:** 11.1V, 8700mAh Lithium-Ion **Medical-approved AC Adapter:** • AC Input: 100V~240V/47-63Hz • DC Output: 90W max	
Color	Cool Grey	
Overall Dimensions	13.37 in x 11.56 in x 2.51 in (339.6 mm x 293.5 mm x 63.7 mm)	
Weight	13.23 lbs (6 kg)	

Standard Environmental Ratings

IEC 60601-1 Certified	Medical-approved computer
MIL-STD 810F Certified	
Shock	516.5, Procedure I
Vibration	A. 514.3, Procedure I, Category 20 B. 514.5, Procedure I, Category 14 C. 514.5, Procedure I, Category 1
Rain	506.4, Procedure II
Humidity	507.4, Procedure I
Salt Fog	509.4, Procedure I
Altitude	Method 500.4, Procedure I & II Operating: 15,000 ft (4,572m) Storage: 40,000 ft (12,192m)
High/Low Temperature	Method 501.4, Procedure I and II Method 502.4, 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 503.4, Procedure I Operating: -4°F to 140°F / -20°C to 60°C
Explosive Atmosphere	Method 511.4, Procedure I
Solar Radiation	Method 505.4, Procedure I
MIL-STD 461E Compliant	Electromagnetic interference
IEC IP-55	Dust-protected; water jets

Accessories

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, PCI slots x 2, PCI Express x 1, LAN x 1 (optional), Fan x 1 (optional)

SALT FOG · SHOCK · TEMPERATURE SHOCK · VIBRATION · IP'x5® WATER SPRAY · RAIN

LOW TEMPERATURE · LOW PRESSURE · HIGH TEMPERATURE · HUMIDITY · IP5x® DUST-TIGHT

* Contact us for more information
** Specifications subject to change without notice

Windows 7 · intel CORE 2 Duo inside

MRK8-Rev. O

ROCKY **RK8** SE
FULLY RUGGED LAPTOP

AMREL ®
Pioneering Customized Rugged Solutions

RK8 Special Edition
Tough computer for tough applications

For years, AMREL's notebooks have successfully completed missions in the most extreme environments. With a durability proven beyond question, they have been customized for military applications, such as communications, robotic control, as well as testing. They have been also been utilized for construction, as well as police work. Change applications by simply swapping Flexpedient® modules in the device bay.

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810F & IP-55 certified MIL-STD 461E compliant	
Operating System[1]	Windows® 7 Professional 32-bit	Windows® 7 Professional 64-bit
CPU	Intel® Core 2 Duo 1.66 GHz Processor 667MHz FSB, 3MB L2 Cache	
Memory	2GB DDR2 667MHz	Up to 4GB DDR2 667MHz
Graphics	• Intel® 32-bit 3D/2D gfx core with 224MB shared RAM	
Display	• 15" XGA (1024 x 768) TFT LCD	
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
Audio	• Integrated speakers • AC97 sound	
Keyboard & Touchpad	• Standard 87-key • Resistive Touchpad	
Flexible Expansion Bay	Removable SATA DVD+/-RW with Nero	Flexpedient® module
I/O Interface	**LEFT:** Gigabit LAN x 1, PS/2 x 1 (KB+mouse), USB 2.0 x 2, IEEE 1394 (Fire wire) x 2, Express Card x 1, Mic/line-in/headphone PC Card Type I/II x 1 **REAR:** DC Power Jack x 1, DVI port x 1, VGA x 1,Docking port x 1 Printer port x 1, Serial port x 2 (COM 1/2) RS-232/422/485	Serial port x 2 (COM 3/4) RS-232/422/485 PC Card Type I/ II x 2 (No Express card)
Power	**Main Battery:** 11.1V, 8700mAh Lithium-Ion **AC Adapter:** • AC Input: 90V~240V/50-60Hz • DC Output: 90W max • Complies with military power source • AC input: 110V~220V/400Hz	
Color	Cool Grey	
Overall Dimensions	13.37 in x 11.56 in x 2.51 in (339.6 mm x 293.5 mm x 63.7 mm)	
Weight	13.23 lbs (6 kg)	

Standard Environmental Ratings

MIL-STD 810F Certified

Shock	Method 516.5, Procedure I
Vibration	A. 514.3, Procedure I, Category 20 B. 514.5, Procedure I, Category 14 C. 514.5, Procedure I, Category 1
Rain	506.4, Procedure II
Humidity	507.4, Procedure I
Salt Fog	509.4, Procedure I
Altitude	Method 500.4, Procedure I & II Operating: 15,000 ft (4,572m) Storage: 40,000 ft (12,180m)
High/Low Temperature	Method 501.4, Procedure I and II Method 502.4, Procedure I and II Operating: (w/ heater) -4 °F to 122°F / -20°C to 50°C Storage: -40°F to 158°F / -40°C to 70°C
Temperature Shock	Method 503.4, Procedure I Operating: -4°F to 140°F / -20°C to 60°C
Explosive Atmosphere	Method 511.4, Procedure I
Solar Radiation	Method 505.4, Procedure I
MIL-STD 461E Compliant	Electromagnetic interference
IEC IP-55	Dust-protected; water jets

Integrated Options

Integrated Options	Options
Wireless LAN	Intel Pro Wireless 3945 a/b/g
Wireless WAN	Cinterion HC25, HSDPA 3.5G
Wireless PAN	Bluetooth® v2.0+EDR
GPS	Ublox LEA-5H

Accessories

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, PCI slots x 2, PCI Express x 1, LAN x 1 (optional), Fan x 1 (optional)

* Contact us for more information
* * Specifications subject to change without notice

RK8 SE-Rev. O

ROCKY DF6
fully rugged handheld

NEW!

Multiple choices for multiple connectors

The ROCKY DF6 packs a lot of connectivity options into a very compact platform:

- Top - In addition to an embedded antenna, there are two SMA connectors for your choice of external antennas.
- Bottom - Three different locations for your choice of connectors.
- Left - Micro SD/SIM slot

Rugged and Reliable

The lightweight, power-thrifty ROCKY DF6 not only leverages its ARM architecture for low SWaP, it also can operate in the harshest environments. Independently certified for MIL-STDs 810G/461F and IP66, it has 25 years of AMREL rugged expertise built into it.

Ideal for your application

Whether you're fighting on the front-lines, or working on an oil rig, the modular and easily configurable ROCKY DF6 can be easily tailored to your needs. Perfect for any kind of field work, the ROCKY DF6 can be used for:

- Battlefield communication & data networking
- Public Safety patrol duties
- Non-destructive testing (Oil & Gas)
- Onsite data collection
- Meter reading, sensor management, mining, construction, and more!

Connectors

For each of the three connectors, choose:
RS232, USB, 10/100 Mbps LAN, VGA, or Headset

Embedded Antenna

SMA Connectors

For an embedded antenna and two SMA connectors choose: WiFi, Bluetooth®, WWAN or GPS

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G & IP-54 Certified	MIL-STD 461F & IP66 (Military Package only)
Operating System	Windows® Embedded CE 6.0	
CPU	TI AM3715 Processor 1 GHz Cortex™- A8	
Memory	512 MB	
Display	5" WVGA (480 x 800 pixel) with LED B/L	
	Single Touch Resistive +	
	Sunlight Readable Screen,	
	Anti-Glare, Anti-Reflective Screen	
Storage	4 GB (ROM)	
Audio	Mono Speaker	
	Built-in Mic	
Function Key (front side)	Touch Type on Panel	
	3 Function Keys	
Buttons	Power on-off / Suspend / Input Lock Button (Top Right)	
	Volume Up/Down Button (Top Left)	
I/O Interface	**Right:**	**Top:**
	Micro SD/SIM slot	**Optional:** Embedded antenna x 1 (i.e. GPS)
		Optional: SMA connectors x 2
		(i.e. WiFi & Bluetooth®/WWAN/GPS)
		Optional: Sealed Fischer connectors x 3 (For each connector,
	Bottom:	choose 1: RS232, USB, 10/100 Mbps LAN, VGA, Headset)
Power	**Main Battery:**	**Optional:** Double capacity battery - 3.7V, 7040mAh
	Lithium-Ion Battery: 3.7V 3520 mAh	Li-ion battery pack
	DC-in / USB client:	**Optional:** Sealed DV-in 5V with
	Standard: Sealed Micro USB	LEMO Conn. (8pin)
	20W (5V/4A) AC Adapter	
Color	Black	
Overall Dimensions	6.73 in x 3.70 in x 0.96 in (with bumper guards)	
	(171 mm x 94 mm x 24.5 mm)	
Weight	0.99 lbs (450g)	

Integrated Options	Optional
Camera	5 Megapixel Camera Module
	Auto Focus with LED flashlight
Wireless LAN	WiFi: 802.11 b/g/n
Wireless WAN	Cellular (Cinterion PH8)
Wireless PAN	Bluetooth®
GPS	Ublox LEA-6H

Accessories	Optional
20W AC Adapter	Available
Multi-Battery Charger:	Available
1M USB Cable	LEMO 8p to USB
1M VGA Test Cable	Fischer 9p to DB15
1M RS232 Test Cable	Fischer 9p to DB9
1M MLAN Test Cable	Fischer 5p to RJ45
20cm USB Test Cable	Fischer 5p to USB
10cm Headset Test Cable	Fischer 5p to Audio Jack 3.5Φ
Carry Bag	Available
Stylus pen with Holder:	Available

* Contact us for more information
** Specifications subject to change without notice

Environmental Ratings	
MIL-STD 810G Certified	
Shock	516.6, Procedure I and IV
Vibration	A. 514.6, Procedure I, Category 20
	B. 514.6, Procedure I, Category 14
	C. 514.6, Procedure IV, Category 24
Rain	506.5, Procedure II
Humidity	507.5, Procedure II (aggravated)
Salt Fog	509.5
Altitude	Method 500.5, Procedure I and II
	Operating: 15,000 ft (4,572 m)
	Storage: 40,000 ft (12,192 m)
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	Operation: Method 511.5, Procedure I
Solar Radiation	Method 505.5, Procedure I (Cycling Test)
	Figure 505.4-1 A1
MIL-STD 461F Certified	EMI/EMC
IEC IP-54 Certified	Dust-tight; water jets

ROCKY DB6

FULLY RUGGED HANDHELD
5-inch Display

World's smallest, rugged handheld with full Windows/Linux Operating Systems.

Small. Slides into cargo pocket, and weighs only 1.5 pounds.

Rugged. MIL-STD 810G, MIL-STD 461F (EMI/EMC), and IP-55 /65 certified.

Powerful. Intel® Atom™ Processor runs Full Windows/Linux.

Energy efficient. The DB6 handheld runs the same programs as your laptop, but uses only a fraction of the energy.

Designed for customization. The DB6's multiple configurable I/O ports allow for flexible connectivity.

3-in-one computer. Handheld can easily be mounted into vehicle docking station or desktop solutions. Ideal for field workers operating in Oil & Gas, Public Safety, Mines, and other demanding industries.

Very small. Very rugged. Very powerful.
- ☑ *Slides into cargo pants pocket*
- ☑ *Weighs 1.5 pounds*
- ☑ *MIL-STD 810G, 461F, & IP-55/65 certified*
- ☑ *Intel® Atom™ Processor*
- ☑ *Full Window/Linux OS*

AMREL

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G, IP-55	
Military Package (Option)	NATO Green, MIL-STD 461F, IP-65 Metal TwistLock Amphenol (621N Series) power connector	Ground Army available (EMI)
Operating System	Genuine Microsoft Windows® 7 Professional 32-bit	Genuine Microsoft Windows® 7 Ultimate 32-bit
CPU	Intel® Atom™ Z530 1.6 GHz Processor 533MHz FSB, 512KB L2 Cache	
Memory	2GB DDR2 533 MHz	
Graphics	Intel® GMA 500	
Display	5" (800 x 480) Sunlight readable LED Backlit, Anti-glare, anti-reflective screen	
Storage	▪ 32 GB ▪ 1.8" high shock-resistant PATA ZIF Solid State Hard Drive (SSHD) ▪ Max 5mm height	▪ Any 1.8" high shock-resistant PATA ZIF SSHD ▪ Max 5mm height*
Audio	▪ Integrated speakers ▪ Intel HD audio	
Keypad	▪ Text input, AP settings, volume up/down, Mouse left/right button, Screen on/off, Camera, Screen rotation, Login, FN key ▪ **Function:** LCD brightness up/down, Keypad backlight on/off, Input lock	
Wireless	▪ Bluetooth® v2.1+EDR ▪ See **Integrated Options** for more choices	
LED Indicator	Power: Green/Red, Charging: Orange, HDD: Green/Red, Wireless: Blue	
I/O Interface*	USB 2.0 Host x 1 SD (SDHC) card slot x 1 SIM card slot x 1 Cradle POGO connector x 1	**Top Hirose Connection (up to 2 interfaces):** ▪ Sealed USB, RS-232, Audio, or Gigabit LAN **Bottom POGO Connection (Choose from):** ▪ Sealed USB, Gigabit LAN, Audio, RS-232, VGA, DC-In
Power	**Main Battery:** ▪ 7.4V, 3900mAh Lithium-ion ▪ Approx. 7-hour battery life (varies with use) ▪ Warm-swappable in standby mode within 30 seconds **AC Adapter:** ▪ AC Input: 100V~240V/50-60Hz ▪ DC Output: 36W max ▪ Direct DC: 12~32V input	Optional MIL-1275 DC Vehicle adapter*
Color	Black	
Overall Dimensions	7.87 in x 3.70 in x 1.42 in 200 mm x 94 mm x 36 mm	
Weight	1.52 lbs (0.69kg)	

Integrated Options	Optional
Wireless LAN	Intel WiFi Link 6205 a/g/n
Wireless WAN	Cinterion HC25, HSDPA/UMTS 3.5G (data only)
GPS	Ublox LEA-6H (SMA connector available)
Fingerprint Reader	Validity VS301
Camera	AF 2.0MP web camera with dual LED flashlight (Portrait or Landscape)

Accessories	Optional
Double-capacity Battery	7.4V, 7800mAh high-capacity Lithium-ion Approx. 14-hour battery life (varies with use)
Multi-battery Charger	Four slots for high-capacity battery with 90W AC Adapter
Cradle	Serial port x 1, VGA x 1, LAN x 1, USB 2.0 x 3, USB Client x 1, DC Power Jack x 1, Stylus x 1
Rubber Jacket	Extra traction and security in your hands

¹ Computer is Linux compatible; WinXP downgrade available
* Contact AMREL for more information
** Specifications subject to change without notice

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 IV, Category 24	
	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	Method 511.5, Procedure I	
	Solar Radiation	Method 505.5, Procedure I-A1	
MIL-STD 461F Certified		EMI/EMC (Military Package only)	
IEC IP-55		Dust-protected; water jets	
IEC IP-65		Dust-tight; water jets (Military Package only)	

ROCKY DT6

RUGGED TABLET
8.9-inch Display

Tablet with a keyboard. The ROCKY DT6 gives you the convenience of a tablet with the functionality of a keyboard. Tough, powerful, and practical, it'll get the job done.

The power of the Atom. This energy thrifty, super-powerful processor lets you run full Windows/Linux Operating systems a fraction of the energy used by a laptop.

Less downtime, more work. Built by AMREL, the ruggedness experts, the DT6 gives your great ROI by maximizing the time working and minimizing the time in the repair shop.

Perfect fit. AMREL is the industry leading authority delivering exactly what you need. We customize 80% of all our products.

Customization guaranteed. AMREL is the only computer provider to extend the manufacturer's warranty to all modifications it makes.

Built for professionals on the go. The ROCKY DT6 is designed for applications that demand portability, capability and ruggedness, including:

- ☑ *Oil & Gas*
- ☑ *Homeland security & Law enforcement*
- ☑ *Geological & scientific field research*
- ☑ *Port container control*
- ☑ *Inventory control*
- ☑ *Warehouse operations*
- ☑ *Meter reading*
- ☑ *Agriculture*
- ☑ *Mining*

AMREL

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G & MIL-STD 461F Compliant; IP-54 Certified	
Operating System	Genuine Microsoft Windows® 7 Professional 32-bit	
CPU	Intel® Atom™ Processor Z530 1.6 GHz, 512KB L2 Cache	
Memory	2GB DDR2 533MHz	
Graphics	Intel® GMA500 Graphics Controller	
Display	▪ 8.9" WSVGA (1024 x 600) LED Backlit ▪ Anti-glare, anti-reflective	
Storage	▪ 500GB (5400 RPM) Removable HDD ▪ 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	HD audio and stereo speakers; embedded microphone	
Touch screen	Resistive single touch, polarized filters for anti-reflection	
Keyboard	62-key backlit, four all programmable Hot Keys, LED backlight	
I/O Interface	▪ USB 2.0 x 1 ▪ Serial port (RS-232) x 1 ▪ Docklight POGO connector x 1	▪ Gigabit LAN x 1 ▪ RS-422, RS-485, or TTL
Expansion Slots	3.5mm 4-pole audio jack for headphone & mic SD card (SDHC) x 1, SIM card x 1, VGA x1 + USB 2.0 x 1, * Port expansion x 1 (see Upgrades)	* Port expansion (select one): ▪ Smart card reader x 1 ▪ Express card x 1 Optional MIL-1275 DC Vehicle adapter*
LED Indicators	Power/S3: Green/Red; Charger: Orange HDD/Heater: Green/Orange; Wireless devices: Blue Input lock: Red; Caps lock: Green	
Power	**Main Battery:** 11V, 4800mAh Lithium-Ion ~6 hours battery life (varies with use) **AC Adapter:** ▪ AC Input: 100V~240V/50-60Hz ▪ DC Output: 90W max ▪ DC-in (2-pin): 12~32V input	Optional DC-in Jack: Mil 3-pin available
Color	Black	
Overall Dimensions	9.84 in x 7.48 in x 1.37 in 250 mm x 190 mm x 34.8 mm	
Weight	4.4 lbs (2.0 kg)	

Integrated Options	Optional
Wireless LAN	Intel Wifi 5100 a/b/g/n Intel Wifi 6250 a/g/n
Wireless WAN	Cinterion PH8, HSDPA
Wireless PAN	Bluetooth® v2.1+EDR
GPS	Ublox LEA-6H

Environmental Ratings	
MIL-STD 810G Compliant	Shock, vibration, rain, humidity, salt fog, altitude, high/low temperature, temperature shock
MIL-STD 461F Compliant	EMI/EMC
IEC IP-54	Dust-protected; splashing water

Accessories	Optional
Carrying Case	Lightweight case to carry your tablet, adapter, and accessories
Multi-battery Charger	Charges two batteries
Docklight	Mounts directly to tablet or adjustable stand VGA x 1, MLAN (RJ-45) x 1 (USB to LAN), Serial port (RS-232) x 1 (USB to COM), USB 2.0 x 2, Sealed USB 2.0 x 2, Serial port (RS-232/422/485/TTL) x 1
Stand	For vehicle or office, tilt mechanism, security lock
External Keyboard	89-key backlit keyboard

[1] Computer is Linux compatible; WinXP downgrade available
* Contact us for more information
* * Specifications subject to change without notice

FULLY RUGGED TABLET

8.4-inch Display

Tough and flexible.
The ROCKY DR10 gives you choices, not problems. While the display is bright enough for the sunniest day, the Night Vision option lets you easily work in the dark. Multiple connectivity alternatives and open-platform design make integration a snap. Since it's an AMREL product, it is fully rugged, field tested, and completely reliable, even in the most challenging circumstances.

Built small and fully rugged.
Weighs about 4 pounds and is independently certified for MIL-STD 810 and IP-65. MIL-STD 461(EMI/EMC) available for military package only.

Multiple connectivity options.
RS-232, USB, military connector, and optional adjustable stand for port expansion.

Magnesium casing.
Light and strong.

Numerous wireless capabilities.
Wireless LAN, a/b/g, WAN, Bluetooth®, GPS.

Battlefield tough.
Proven in the harsh combat conditions for over 20 years.

Customization guaranteed.
AMREL extends the manufacturer's warranty to all modifications it makes.

Applications & Uses:

- Operator Control Unit
- Communication Management
- Avionics Testing
- Data Acquisition & Control

AMREL

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G & IP-65	MIL-STD 461F (Military Package only)
Operating System[1]	Windows® 7 or 8 Professional	
CPU	Intel® Sandy Bridge i7 1.5 GHz (Max 2.4 GHz) Processor, 4M Cache	
Memory	4GB DDR3 1333MHz	Max: 8GB DDR3 1333MHz
Graphics	Intel® HD Graphics 3000	
Display	▪ 8.4" XGA (1024 x 768) with LED Backlit ▪ Sunlight readable, USB interface	
Storage	▪ Removable 2.5" 500 GB (7200 rpm) SATA II HDD ▪ (Optional Removable 2.5" SATA II SSD)	
Audio	Realtek ALC262 HD audio and stereo speakers	
Touch screen	Single Touch Resistive Panel	
Buttons (front)	F1 to F4 Function Keys, Delete Key, Fn*, Enter Key, LCD Brightness Left Arrow / Right Arrow, Power	
I/O Interface	**LEFT:** Gigabit LAN RJ45 x 1, USB 2.0 x 2 Multi bay: Express Card/54 Slot x 1 (top) & SIM Card Slot x 1 SD Card Slot x 1 (bottom) **RIGHT:** DC Power Jack x 1: (2-pin & optional MIL 3-pin), Serial port DB9 x 1 **REAR:** Second battery connector **BOTTOM:** Docking port x 1	
Power	**Main Battery:** 10.8V/5800mAh Lithium-Ion	Second battery
	AC Adapter: 90W AC 100V~240V 50/60Hz	
	DC In: 12V~32V with surge protector (I: 2 pin or M:3pin)	Optional second battery: 11.1V/7200mAh Lithium-Ion
Color	Black/Gray, or NATO Green (on Military models)	
Overall Dimensions	9.8 in x 7.4 in x 1.8 in (250 mm x 190 mm x 45.2 mm)	
Weight	4.2 lbs (1.9kg)	

Integrated Options	Optional
Wireless LAN	Intel® Centrino Advanced-N 6235 (802.11 a/b/g/n)
Wireless WAN	Gobi 3000
Wireless PAN	Bluetooth*
GPS	Ublox LEA-6H
Security	TPM 1.2

Accessories	Optional
2nd Battery	11.1V, 7200mAh Lithium-Ion
Multi-battery Charger	Charges two primary & two secondary batteries
Docklight	RGB DB15 Port x 1, USB 2.0 x 4 (Standard USB Jack x 2; Sealed USB x 2), Serial Port DB9 x 2 (COM2/COM3: Default RS232), Audio Jacks x 1, DC Power Jack x 1 (Optional Military 3-pin), Optional GLAN RJ45 x 1 Mounts directly to tablet
Stand	For vehicle or office, tilt mechanism, security lock (DR10 w/o rubber jacket can be mounted on Stand Unit)
Mini Keyboard KBD	Full QWERTY-keyboard functionality in a compact package .Keys are back lit.
External Keyboard	89-key backlit keyboard

[1] Computer is Linux compatible
* Contact us for more information
** Specifications subject to change without notice

Environmental Ratings

MIL-STD 810G Certified

Shock		516.6, Procedure I	
Vibration	A.	514.6, Procedure I, Category 1	
	B.	514.6, Procedure I, Category 14	
	C.	514.6, Procedure I, Category 20	
Rain		506.5, Procedure II	
Humidity		507.5	
Salt Fog		509.5	
Altitude		Method 500.5, Procedure I, II Operating: 15,000 ft (4,572 m) Storage: 40,000 ft (12,180 m)	
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	
Solar Radiation		Method 505.5	

IEC IP-65   Dust-protected; water jet

ENG-DR10-SPEC Rev. A

FULLY RUGGED TABLET

12.1-inch Display

ROCKY DK10 tablet anywhere, anytime. In the battlefield, office, or plant, get the convenience of a tablet with the durability required for harsh environments.

Big screen with a compact form factor. The ROCKY DK10 is ideal for on-the-move operations and limited-space applications.

The power you want. With an Intel® Sandy Bridge i7 Processor, the ROCKY DK10 has no problem with resource-intensive applications.

The connectivity you require. RS-232 and USB ports, as well as optional adjustable stand for port expansion.

The ruggedness you need. Independently certified for MIL-STD 810, MIL-STD 461, and IP-65, the ROCKY DK10 improves your ROI by decreasing costs associated with broken computers, data loss, and lost work time.

The specs you must have. Don't compromise. AMREL can customize the ROCKY DK10 to your exact needs and extends the manufacturer's warranty to modifications we perform.

Support you can count on. The ROCKY DK10 tablet is designed for extended End of Life. AMREL builds the ROCKY DK10 to last, and we plan our support the same way.

Fast integration and customization. Design to be quickly and easily modified, the ROCKY DK10 has been successfully customized for:

- ☑ *Control Solutions*
- ☑ *Sensor Management*
- ☑ *Point of Sale on a Train*
- ☑ *Mobile Radio Solutions*
- ☑ *Avionic Communications*
- ☑ *Mobile Mesh Network*
- ☑ *In-Vehicle Solution*

AMREL

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G & IP-65	MIL-STD 461F (Military package only)
Operating System[1]	Windows® 7 or 8 Professional	
CPU	Intel® Sandy Bridge i7-2610UE Processor (4M Cache, up to 2.40 GHz)	
Memory	4GB DDR3 1333MHz	Max: 8GB DDR3 1333MHz
Graphics	Intel® HD Graphics 3000	
Display	12.1" XGA (1024 x 768) with LED Backlit Sunlight readable, USB interface	
Storage	Removable 2.5" 500 GB (7200 rpm) SATA II HDD (Optional Removable 2.5" SATA II SSD)	
Audio	Realtek ALC262 HD audio and stereo speakers	
Touchscreen	Single Touch Resistive Panel	
Buttons (Front)	Power, F1~F4, Tab, +/-, Esc, Ctrl, Alt, Del, Fn, Enter, LCD brightness up/down, up/down/left/right arrow keys, Function Backlight, Left Mouse Button, Track Pointer	
I/O Interface	**Left:** Gigabit LAN RJ45 x 1, USB 2.0 x 1, USB 3.0 x 1 Multi bay: Express Card/54 Slot x 1 (top) & SIM Card Slot x 1 SD Card Slot x 1 (bottom) **Right:** Serial port DB9 x 1 DC Power Jack x 1: (2-pin & optional MIL 3-pin) Rear: Second battery connector **Bottom:** Docking Connector x 1	Second battery
Power	**Main Battery:** 11.1 V/7200mAh Li-Ion battery **AC Adapter:** 90W AC 100V~240V 50/60Hz **DC In:** 12V~32V with surge protector (Industry 2 pin or Military 3pin)	Optional second battery: 11.1 V/7200mAh Li-Ion battery
Color	Black or NATO Green (on Military models)	
Overall Dimensions	12.20 in x 10.04 in x 2.13 in 310 mm x 255 mm x 54 mm	
Weight	5.51 lbs (2.5 Kg)	

Integrated Options

Integrated Options	Optional
Wireless LAN	Intel® Centrino Advanced-N 6235 (802.11 a/b/g/n)
Wireless WAN	Gobi 3000
Wireless PAN	Bluetooth®
GPS	Ublox LEA-6H
Security	TPM 1. 2

Accessories

Accessories	Optional
2nd Battery	11.1V, 7200mAh Lithium-Ion
Multi-battery Charger	Charges two primary & one secondary battery
Docklight	RGB DB15 Port x 1, USB 2.0 x 4 (Standard USB Jack x 2; Sealed USB x 2) Serial Port DB9 x 2 (COM2/COM3: Default RS232) Audio Jacks x 1, DC Power Jack x 1 (Optional Military 3-pin), Optional GLAN RJ45 x 1 Mounts directly to tablet
Stand	For vehicle or office, tilt mechanism, security lock (Same as DK8)
Mini Keyboard KBD	Full QWERTY-keyboard functionality in a compact package .Keys are back lit.
External Keyboard	89-key backlit keyboard

Environmental Ratings

Environmental Ratings	
MIL-STD 810G Certified	
Shock	516.6, Procedure I
Vibration	A. 514.6, Procedure 1, Category 20
	B. 514.6, Procedure I, Category 14
	C. 514.6, Procedure I, Category 1
Rain	506.5, Procedure II
Humidity	507.5
Salt Fog	509.5
Altitude	Method 500.5, Procedure I, II Operating: 15,000 ft (4,572 m) Storage: 40,000 ft (12,180 m)
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
Solar Radiation	Method 505.5 Dust-protected; water jet
IEC IP-65	Dust-tight; water jet

[1]Computer is Linux compatible
* Contact us for more information
** Specifications subject to change without notice

ENG-DK10-SPEC REV. A