

# ROCKY MRK8

FULLY RUGGED LAPTOP

**AMREL**<sup>®</sup>  
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

# MRK8 Product Specifications

Item	Standard	Upgrades
<b>Environmental Rating</b>	IEC 60601-1 Certified for Medical Grade MIL-STD 810F & IP-55 certified MIL-STD 461E compliant	
<b>Operating System<sup>1</sup></b>	Windows® 7 Professional 32-bit	Windows® 7 Professional 64-bit
<b>CPU</b>	Intel® Core 2 Duo 1.66 GHz Processor 667MHz FSB, 3MB L2 Cache	
<b>Memory</b>	2GB DDR2 667MHz	Up to 4GB DDR2 667MHz
<b>Graphics</b>	<ul style="list-style-type: none"> <li>Intel® 32-bit 3D/2D gfx core with 224MB shared RAM</li> </ul>	
<b>Display</b>	<ul style="list-style-type: none"> <li>15" XGA (1024 x 768) TFT LCD</li> </ul>	
<b>Storage</b>	<ul style="list-style-type: none"> <li>500GB (5400 RPM) Removable HDD with heater</li> <li>2.5" high shock-resistant SATA HDD</li> <li>Max. 9.5 mm height</li> </ul>	<ul style="list-style-type: none"> <li>Any 2.5" SATA HDD, Max. 9.5 mm height*</li> <li>Solid State Hard Drive</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>Integrated speakers</li> <li>AC97 sound</li> </ul>	
<b>Keyboard &amp; Touchpad</b>	<ul style="list-style-type: none"> <li>Standard 87-key keyboard</li> <li>Resistive Touchpad</li> </ul>	
<b>Flexible Expansion Bay</b>	Removable SATA DVD+/-RW with Nero	Flexpedient® module
<b>I/O Interface</b>	<b>LEFT:</b> 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	
<b>Power</b>	<b>Main Battery:</b> 11.1V, 8700mAh Lithium-Ion <b>Medical-approved AC Adapter:</b> <ul style="list-style-type: none"> <li>AC Input: 100V~240V/47-63Hz</li> <li>DC Output: 90W max</li> </ul>	
<b>Color</b>	Cool Grey	
<b>Overall Dimensions</b>	13.37 in x 11.56 in x 2.51 in (339.6 mm x 293.5 mm x 63.7 mm)	
<b>Weight</b>	13.23 lbs (6 kg)	

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



\* Contact us for more information

\*\* Specifications subject to change without notice