

ROCKY DB6

AVIONIC SOLUTION
MIL - STD 1553

AMREL[®]
Pioneering Customized Rugged Solutions



Portable and easy-to-use

The ROCKY DB6 Avionics Solution system directly communicates to aircrafts without an intermediate server. Ideal for bus troubleshooting, diagnostic systems, and applications requiring small handheld solutions, the ROCKY DB6 can serve a variety of avionic needs. The ROCKY DB6 is independently certified for the MIL-STD 810 ruggedness standard, so you minimize downtimes and lost data due to accidents and breakage.

Brand new application on a mature platform

The ROCKY DB6 is the world's smallest, rugged handheld with full Windows/ Linux Operating Systems. It has been proven in a variety of harsh environments, including battlefields, construction, and industrial settings.

Energy efficient

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

Designed for customization

The ROCKY DB6 has multiple configurable I/O ports allow for flexible connectivity.

ROCKY DB6 - Very small. Very rugged. Very powerful.

- Slides into cargo pants pocket
- Weighs 1.5 pounds
- MIL-STD 810G & IP-65/55 certified
- FIPS 140-2 capable
- Intel® Atom™ Processor
- Full Window/Linux OS

Ask about AMREL's other fully rugged Avionic Solutions

- ROCKY DK10 Tablet (12" display)
- ROCKY RK10 Laptop (15" display)
- ROCKY RF10 Laptop (17" display)

DB6 TECHNICAL SPECIFICATIONS

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	<ul style="list-style-type: none"> 32 GB 1.8" high shock-resistant PATA ZIF Solid State Hard Drive (SSHD) Max 5mm height 	<ul style="list-style-type: none"> Any 1.8" high shock-resistant PATA ZIF SSHD Max 5mm height*
Audio	<ul style="list-style-type: none"> Integrated speakers Intel HD audio 	
Keypad	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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*	Internal: 1553 Card, USB 2.0 Host x 1, SD (SDHC) card slot x 1, SIM card slot x 1, Cradle POGO connector x 1	Optional: 1553 Software for Test and Analysis 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: <ul style="list-style-type: none"> 7.4V, 3900mAh Lithium-ion Approx. 7-hour battery life (varies with use) Warm-swappable in standby mode within 30 seconds AC Adapter: <ul style="list-style-type: none"> 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

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

* 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 Certified	Dust-protected; water jets
IEC IP-65 Certified	Dust-tight; water jets (Military Package only)



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