ROCKY DF7A

NEW!

fully rugged handheld

AMREL®

Pioneering Customized Rugged Solutions

Android OS

The stable AndroidTM 4.1.2 (Jelly Bean) has a whole universe of apps to choose from.

Multiple choices for multiple connectors

The ROCKY DF7A 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.
- Right - Micro SD/SIM slot

Rugged and Reliable

The lightweight, power-thrifty ROCKY DF7A 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 30 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 DF7A can be easily tailored to your needs. Perfect for any kind of field work, the ROCKY DF7A 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!

DF7A Technical Specifications

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G & IP-66 Certified	MIL-STD 461F
Operating System	Android™ 4.1.2 (Jelly Bean)	
CPU	Qualcomm MSM8225Q (Quad-Core Cortex- A5 1.2 GHz)	
Memory	1GB LPDDR2 RAM	
Display	5" WVGA (480 x 800 pixel) with LED B/L Capacitive Multi Touch+ Sunlight Readable Screen, Anti-Glare, Optical bonding	
Storage	8 GB (ROM)	
Audio	Mono Speaker / Built-in Mic / Receiver / Headset	
Function Key (front side)	Touch Type on Panel 3 keys: Back / Home / Menu	
Buttons	Power on-off / Suspend / Input Lock Button (Top Right) Volume Up/Down Button (Top Left)	
I/O Interface		**Top:** ***Optional:*** 2x SMA Connectors (WLAN, GPS ANT) **Bottom:** ***Optional:*** Sealed Fischer connectors x 3 (For each connector, choose 1: RS232, USB, MLAN, VGA, Headset)
	Right: Micro SD/SIM slot	**Left:** ***Optional:*** Cradle POGO 20 pin
Power	**Main Battery: Lithium-Ion Battery:** 3.7V 3520 mAh	***Optional:*** Double capacity battery - 3.7V, 7040mAh Li-ion battery pack ***Optional:*** Sealed DC-in 10~32V with BVA with LEMO conn (8 pin)
	Standard: Sealed DC-in 5v with LEMO Conn. (8pin) **20W (5V/4A) AC Adapter**	
Wireless LAN	WiFi: 802.11 b/g/n	
Wireless PAN	Bluetooth®	
Sensors	Magnetic, Gravity, Gyro, Proximity & Light	
Color	Black	
Overall Dimensions	6.65 in x 3.54 in x 0.91 in (without bumper guards) 169 mm x 90 mm x 23 mm (without bumper guards)	
Weight	0.9 lbs (420g)	

Integrated Options	Optional
GPS	Ublox Neo M8N

Accessories	Optional
Multi-Battery Charger:	Available
1M USB Cable	LEMO 8p to USB
1M RS232 Test Cable	Fischer 9p to DB9
1M MLAN Test Cable	Fischer 5p to RJ45
20cm USB Test Cable	Fischer 5p to USB
20cm Headset Test Cable	Fischer 5p to Audio Jack 3.5Φ
Carry Bag	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-66 Certified	Dust-tight; water jets

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