



## 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*

# DA5+ Technical Specifications

Item	Standard	Upgrades
<b>Environmental Rating</b>	MIL-STD 810F, IP-54	
<b>Military Package (Option)</b>	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)
<b>Operating System</b>	Genuine Microsoft Windows® CE NET 5.0 or Windows Mobile 6.0	
<b>CPU</b>	Marvell PXA270 624MHz	
<b>Memory</b>	128MB SDRAM, 1 GB Flash ROM	
<b>Graphics</b>	nVIDIA GoForce 4800	
<b>Display</b>	<ul style="list-style-type: none"> <li>4" (640 x 480) Transflective TFT LCD</li> <li>Touchscreen and stylus</li> </ul>	
<b>Audio</b>	AC97 sound	
<b>Keypad</b>	<ul style="list-style-type: none"> <li><b>For WinCE:</b> Power On/Off, 5 Programmable buttons with Wireless Manager, 5-direction navigation scroll button</li> <li><b>For WinMobile 6.0 (Premium):</b> Power On/Off, 5 Programmable buttons with Wireless Manager</li> <li><b>For WinMobile 6.0 (Phone Edition):</b> Power On/Off, 3 Programmable buttons with Wireless Manager, Call answer and end button, 5-direction navigation scroll button</li> </ul>	
<b>LED Indicator</b>	Charging: Orange, GSM On/Stand by: Green, Wireless: Blue	
<b>I/O Interface*</b>	<b>LEFT:</b> USB 2.0 x 1, Mini USB 1.1, Client x 1 <b>RIGHT:</b> Mic/Headphone Jack x 1, SD I/O Slot x 1 <b>TOP:</b> Serial port x 1 <b>BOTTOM:</b> DC Power Jack x 1, Charger POGO 4-PIN x 1, 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)
<b>Power</b>	<b>Main Battery:</b> 3.7V, 3900mAh Lithium-Ion <b>Internal Backup Battery:</b> 3.7V, 110mAh rechargeable smart battery <b>AC Adapter:</b> <ul style="list-style-type: none"> <li>AC Input: 100V~240V/50-60Hz</li> <li>DC Output: 36W max</li> <li>Complies with military power source</li> <li>AC Input: 100~240V/400Hz</li> <li>Direct DC: 12~32V input</li> </ul>	Optional MIL-1275 DC Vehicle adapter*
<b>Color</b>	Black	
<b>Overall Dimensions</b>	5.5 in x 6.7 in x 4.4 in 90 mm x 150 mm x 33 mm	
<b>Weight</b>	0.99 lbs (0.45kg)	

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

Accessories	Optional
<b>2<sup>nd</sup> Battery</b>	3.8V, 7800mAh Lithium-Ion
<b>Charger (IP-54 Certified)</b>	DC jack x1, Battery charging slot x 1 Accepts both AC adapter DC 12V and vehicle battery DC 10V~32V input
<b>Cradle (IP-54 Certified) (Military Package only)</b>	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
<b>Waist Pack &amp; Battery Pouch</b>	Available

Environmental Ratings	
<b>MIL-STD 810F Certified</b>	
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
<b>MIL-STD 461E Certified</b>	EMI/EMC (Military Package only)
<b>IEC IP-54</b>	Dust-protected; splashing water
<b>IEC IP-65</b>	Dust-tight; water jet (Military Package only)

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

