

A fully rugged, tablet-based, avionic solution

In order to comply with the 1553 standard, avionic solutions often demand that a special card be placed into a laptop. To meet customer specs, AMREL delivered a convenient handheld solution by integrating a special card into the smaller form factor of a fully rugged DK10 tablet.

No peripherals

This closed case solution feeds power, Ethernet data, and 1553 data through a 1GB LAN 35pin military connector. Compact, low-footprint solutions are an AMREL specialty.

Portable and easy-to-use

With an easy-to-read 12-inch display screen, this mobile handheld system directly communicates to aircrafts without an intermediate server. Ideal for bus troubleshooting, diagnostic systems,

applications requiring small handheld solutions, this customized DK10 can serve a variety of avionic needs. The DK10 tablet is independently certified for military standards of ruggedness, so you minimize downtimes and lost data due to accidents and breakage.

Customized by experts

AMREL customizes over 80% of all the products it sells. No one customizes, prototypes, and delivers faster than AMREL. AMREL is the only fully rugged computer supplier that extends the manufacturer's guarantee to its customizations.

Ask about AMREL's other fully rugged Avionic Solutions

- ROCKY DB6 Laptop (5" display)
- ROCKY RK10 Laptop (15" display)
- ROCKY RF10 Laptop (17" display)

DK10 Avionic Solution

Item	Standard	Upgrades
Environmental Rating	MIL-STD 810G & IP-65	MIL-STD 461F (Military Package only)
Operating System	Windows® 7or 8.1 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	
A 11	(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	Internal: 1553 card	Optional: 1553 Software for Test and Analysis
	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	Second battery
	Bottom:	
	Docking Connector x 1	
Power	Main Battery:	Optional second battery: 11.1 V/7200mAh Li-lon battery
	11.1 V/7200mAh Li-lon battery	
	AC Adapter:	
	90W AC 100V~240V 50/60Hz	
	DC In:	
	12V~32V with surge protector	
Calan	(Industry 2 pin or Military 3pin)	
Color Overall Dimensions	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	
Waight		
Weight	5.51 lbs (2.5 Kg)	

Ļ	n	te	g	ra	te	d	O	p	II	OI	n	s	

Wireless LAN **Wireless WAN** Wireless PAN **GPS**

Optional

Intel® Centrino Advanced-N 6235 (802.11 a/b/g/n)

Gobi 3000 Bluetooth® Ublox LEA-6H

Optional

Accessories

2nd Battery **Multi-battery Charger** Docklight

11.1V, 7200mAh Lithium-lon

Charges two primary & two secondary batteries 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

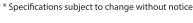
(Same as DK8)

Mini Keyboard KBD Full QWERTY-keyboard functionality in a compact

> package .Keys are back lit. 89-key backlit keyboard

* Contact us for more information

External Keyboard

























intel insid





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

IEC IP-65 Dust-protected; water jet