ROCKY
DK10
AVIONIC SOLUTION

Windows® 8.1

3033

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, and 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.

Flexible platforms

Our platforms are designed for easy modification and integration.

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.

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 (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	
	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-Ion battery
	11.1 V/7200mAh Li-Ion battery	
	AC Adapter:	
	90W AC 100V~240V 50/60Hz	
	DC In:	
	12V~32V with surge protector	
	(Industry 2 pin or Military 3pin)	
Color	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	
Weight	5.51 lbs (2.5 Kg)	

Integrated Options	Optional
Wireless LAN	Intel® Centrino Advanced-N 6235 (802.11 a/b/g/n)
Wireless WAN	Gobi 3000
Wireless PAN	Bluetooth®
GPS	Ublox LEA-6H

Accessories	Optional
2nd Battery	11.1V, 7200mAh Lithium-Ion
Multi-battery Charger	Charges two primary & two secondary batteries
Docklight	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.
External Keyboard	89-key backlit keyboard

Standard Environmental Ratings	
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

[1] Computer is Linux compatible
* Contact us for more information
* * Specifications subject to change without notice

SALT FOG | SHOCK | TEMPERATURE SHOCK | VIBRATION | HUMIDITY | RAIN | LOW TEMPERATURE | LOW PRESSURE (ALTITUDE) | HIGH TEMPERATURE | IP6x* DUST-TIGHT | IP x5* WATER SPRAY

Laurentian
TECHNOLOGIES

Exclusive Aboriginal Reseller

120 Iber Rd., Suite 103, Ottawa, ON K2S 1E9
Office +1 (613) 686-7006   Fax +1 (613) 836-3758
www.laurentiantech.ca