

## RDU-12 REMOTE DISPLAY UNIT

Reliable in the Extreme



# MYMILTOPE

Targeted for vehicular mounted use in extreme environmental conditions, the RDU-12 is part of the Miltope family of rugged Remote Display Units, delivering computing capability with technologies and design techniques consistent in the VT Miltope family of rugged laptops. VT Miltope's offers a full array of rugged computing and display systems, reinforced by our commitment to provide the ultimate in rugged computing.

### RDU-12 Features and Functions:

- 12.1" LED backlight sunlight readable screen in tablet style form
- Low Operating Power
- Rugged USB backlit keyboard with mouse
- Industry leading five-year warranty



## SPECIFICATIONS

### PROCESSOR:

Intel® Atom™ 1.6 GHz Dual Core processor, 32nm technology and 64 bit support. Includes 1 MB L2 cache, 800 MHz Front Side Bus

### OPERATING SYSTEM:

Windows® Embedded Standard 7 (WES-7), Red Hat® Linux® (RHEL 6)

### RAM:

1 GB Double-Data-Rate 3 (DDR3); 800 MHz Expandable to 2 GB

### GRAPHICS:

Features the 400 MHz Intel® Graphics Media Accelerator 3600 (GMA 3600), and integrated video decoding engine for MPEG4 Part2, VC-1, WMV9, and H.264. Supports DirectX 9 compliant Pixel Shader v3.0 and OGL 3.0

### STORAGE:

4 GB Onboard Flash Memory and One SATA II Interface for Additional Storage Options

### DISPLAY:

12.1" 1024x768 XGA, LCD with 800 nits, LED Backlight, Sunlight Readable, Supports NVIS Compatibility mode, 5 wire Touchscreen (Resistive: with accuracy of 5 pixel radius) with protective, field replaceable anti-scratch film

### KEYBOARD/MOUSE INTERFACE:

For rugged USB, backlit keyboard w/mouse

### INTERFACE:

One RS-422, Three USB 2.0, One 10/100/1000 Ethernet, One Audio (In/Out/Mic ports), One LVDS video input

### PHYSICAL:

Dimensions 12.89"W x 9.0"H x 1.79"L; Weight 7 lbs.

### POWER:

12V power input, 25W Typical/30W max @ 100% Backlight

## ENVIRONMENTALS

### TEMPERATURE, OPERATING:

MIL-STD-810G, Methods 501.5 and 502.5, Procedure II, (-46°C to +71°C), (-51°F to +160°F)

### TEMPERATURE, NON-OPERATING:

MIL-STD-810G, Methods 501.5 and 502.5, Procedure I, (-35°C to +71°C), (-31°F to +160°F) for 72 hrs (-51°C), (-59.8°F) for 24 hrs

### SOLAR RADIATION:

MIL-STD-810G, Method 505.5, Procedure I

### OPERATIONAL VIBRATION:

Wheeled Vibration, Tracked Vibration, Bradley Vibration MIL-STD-810G, Method 514.6, Procedure I, Category 20 (Ground Mobile), Hard Mounted

### AGGRAVATED VIBRATION:

MIL-STD-810G, Method 514.6, Overall Level of 5.03 g (rms) 2 hrs per axis, Hard Mounted

### ALTITUDE:

MIL-STD-810G, Method 500.5, Procedure I (Storage) -1,312 to 50,000 feet. Procedure II (Operational) -1,312 to 15000 feet. Procedure III (Rapid Decompression) 8000 to 40,000 feet.

### RAIN:

MIL-STD-810G, Method 506.5, Procedure I, 4.0 inches per hour, wind velocity 40 mph for 30 minutes per surface

### HUMIDITY, OPERATING:

MIL-STD-810G, Method 507.5, Procedure I, 3% to 100% Relative Humidity

### SALT FOG:

MIL-STD-810G, Method 509.5 Procedure I, 48 hr exposure

### SAND/DUST:

MIL-STD-810G, Method 510.5, Procedures I and II

### FUNGUS:

MIL-STD-810G, Method 508.4

### EXPLOSIVE ATMOSPHERE:

MIL-STD-810G, Method 511.5, Procedure I