

RDU-15 REMOTE DISPLAY UNIT

Reliable in the Extreme



MYMILTOPE

Targeted for vehicular mounted use in extreme environmental conditions, the RDU-15 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-15 Features and Functions:

- 15" 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:

15" 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 15.21"W x 11.41"H x 2"L;
Weight 11.10 lbs.

POWER:

12V power input, 35W Typical/40W 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