

**VCU-1600** VEHICLE COMPUTER UNIT

Reliable in the Extreme

**MYMILTOPE**

Designed rugged from the ground up, this two-piece all aluminum chassis computer is fully sealed and shock isolated to reliably perform in any tactical environment. Extremely rugged yet flexible enough to allow variable positioning, excellent operator accessibility at varying angles. Designed and qualified for the most stringent wheeled and tracked vehicle environments, this Vehicle Computer System boasts unparalleled reliability and qualified for operation on the move. My Miltope!

**VCU-1600 Features and Functions:**

- 12.1" Sunlight readable display
- 10.4" Sunlight readable and touchscreen displays (optional)
- Attached fold-down, sealed, full QWERTY keyboard with mouse
- Internal, removable non-volatile 5 GB solid-state hard drive



## SPECIFICATIONS

### PROCESSOR:

1.6 GHz Intel® Pentium®M Processor

### OPERATING SYSTEM:

Standard: Windows® XP

### RAM:

512 MB

### STORAGE:

Internal, removable non-volatile 5 GB solid-state hard drive

### DISPLAY:

Standard: 12.1" 800x600 Sunlight Readable AMLCD

Optional: 10.4" Sunlight Readable AMLCD  
(multiple resolutions)

Optional Touchscreen capability

### KEYBOARD:

Attached fold-down, sealed, full QWERTY keyboard  
with mouse

### EXPANSION:

Environmentally sealed PCMCIA Card Slots -  
2 Type II/1 Type III

### INTERFACES:

RS-232/422(2), RS-422(2), Ethernet, USB, Parallel,  
and Keyboard/mouse

### PHYSICAL:

Dimensions 11.83"W x 5"D x 13.97"L (12.1" display  
configuration); Weight 18.6 lbs. (fully configured)

### POWER:

AC: External Power Adapter and Battery Charger,  
115-230 VAC

DC: Vehicle Power 18-32 VDC

Battery Backup: 3.0 hrs at 21°C

## ENVIRONMENTALS

### TEMPERATURE, OPERATING:

Operating: Cold Start @ -32°C to +52°C

Non-Operating: -40°C to +66°C

### COMBINED ENVIRONMENT:

Operational at -32°C to +52°C at 125 1/2 sine wave  
pulses with peak amplitudes of 125g

### ALTITUDE:

Operating: Sea level to 10,000 feet

Non-Operating: 30,000 feet

### RAIN:

MIL-STD-810F, Method 506.4 Procedure I  
(Non-Operational)

### SHOCK:

MIL-STD-810E Method 516.4, Procedure VII  
(Operational)

### VIBRATION:

MIL-STD-810F, Method 506.4, Procedure I;  
1.8" per hour at 20 mph wind speed operational,  
for 30 minutes/each surface

### HUMIDITY:

MIL-STD-810E 94 ±5% non-condensing

### EMI:

MIL-STD-461D

Manufactured and tested by VT Miltope under license