

# MILVM15I33S-M5-HB-5RT

**15" color TFT, 1024 x 768 XGA, COTS Rugged Military Display Computers Compliant with MIL-STD-810 and IEC60068-2-27 Standards**



## Introduction

AIS 15" rugged Military display computers are specifically designed for the Commercial Off-The-Shelf (COTS) Military marketplace. AIS MIL-STD and MIL-SPEC compact ruggedized touch computers are designed, engineered, manufactured, and fully qualified to pass MIL-STD-810 and MIL-STD-461 standards. All units are tested for drop-shock, moisture, dust and vibration resistance and temperature extremes for Military, aerospace and government applications.

## Specifications

Display	
Display	15" diagonal, Active matrix TFT LCD
Aspect Ratio	4:3
Active/Area	304.1 (H) x 228.1 (V) mm
Native (Optimal) Resolution	1024 x 768 XGA
Colors	16.7M (8bits/color)
Brightness (Typical)	LCD Panel: 800 nits Resistive Touch: 640 nits
Contrast Ratio	700:1
Viewing Angle	Horizontal: 160° Total Vertical: 140° Total
Touch Technology	Analog Resistive 5-wire
System Hardware	
Processor	Intel® Core™ 2 Duo Processor 1.06 GHz
System Chipset	Intel® 945GME/ICH7M Chipset
System Memory	2GB DDR2 533/667MHz, Max 2GB

## Features and Benefits

- Tested to MIL-STD-810 standard methodology for a range of extreme conditions including drops, shocks, vibration, humidity, altitude, rain, dust and sand-resistance, temperature extremes and thermal shock.
- Tested to MIL-STD-461 standard methodology for EMI and EMC.
- Protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion.

Storage	32GB SATA SSD
I/O Interfaces	
Serial Ports	2 x RS232
USB Ports	2 x USB 2.0
Ethernet Ports	1 x RJ 45-10/100/1000 Mbps
Environmental Conditions	
Temperature	Operating: -25°C to 60°C (-13°F to 140°F)
Humidity (Non-condensing)	10 to 95%, MIL810F Method 507.4
Ingress Protection	NEMA4 IP65 IEC 60529
Vibration Protection	MIL810F Method 514.5
General	
Power Input	9V to 36V DC
Operation System Support	Windows Embedded Standard 7 Windows XP Embedded
Mounting Options	100 x 100 mm VESA Mount
Dimensions (W x L x H)	398 x 308 x 58 mm
Approvals	
Approvals	CE, FCC (DOC) MIL810F/ IEC60068-2-27 for Vibration and Shock

## Order Information

**MILVM15I33S-M5-HB-5RT:** 15" COTS Rugged Military Display Computers Compliant with MIL-STD-810 and IEC60068-2-27 Standards, 1024 x 768 XGA, 700:1 contrast ratio

Unit: mm

