

# MILVM08IA3S-T1-4RT

**8.4" color TFT, 800 x 600 SVGA, COTS Rugged Military Display Computers Compliant with MIL-STD-810 and IEC60068-2-27 Standards**



## Introduction

AIS 8.4" 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	8.4" diagonal, Active matrix TFT LCD
Aspect Ratio	4:3
Active/Area	170.4(H) x 127.8 (V) mm
Native (Optimal) Resolution	800 x 600 SVGA
Colors	16.2M (8bits/color)
Brightness (Typical)	LCD Panel: 450 nits Resistive Touch: 360 nits
Contrast Ratio	600:1
Viewing Angle	Horizontal: 150° Total Vertical: 150° Total
Touch Technology	Resistive 5-wire
System Hardware	
Processor	Intel® Atom™ Processor N270 1.60 GHz
System Chipset	Intel® 954GSE/ICH7M Chipset
System Memory	2GB DDR2 400/533 MHz, 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	16GB Compact Flash Card
I/O Interfaces	
Serial Ports	1 x RS232/422/485 (optional feature)
USB Ports	2 x USB 2.0
Ethernet Ports	2 x RJ 45-10/100/1000 Mbps
VGA Port	1 x VGA
Environmental Conditions	
Temperature	Operating: -10°C to 55°C (14°F to 131°F)
Humidity (Non-condensing)	10 to 95%
Ingress Protection	NEMA4 IP65 IEC 60529
Vibration Protection	1.60/1.96/2.18 g rms for XYZ / 5-500Hz
General	
Power Input	9V to 36V DC
Operation System Support	Windows Embedded Standard 7 Windows XP Embedded
Mounting Options	75 x 75 mm VESA Mount
Dimensions (W x L x H)	277 x 219.5 x 59.7 mm
Approvals	
Approvals	CE, FCC (DOC) DNV standards IEC 60945, DNV 2.4, and IACS-E10

## Order Information

**MILVM08IA3S-T1-4RT: 8.4" COTS Rugged Military Display Computers Compliant with MIL-STD-810 and IEC60068-2-27 Standards, 800 x 600 SVGA, 600:1 contrast ratio**

Unit: mm

