

MILVM10IA3S-P1-5RT

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



Introduction

AIS 10.4" 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	10.4" diagonal, Active matrix TFT LCD
Aspect Ratio	4:3
Active/Area	211.2(H) x 158.4 (V) mm
Native (Optimal) Resolution	800 x 600 SVGA
Colors	16.2M (8bits/color)
Brightness (Typical)	LCD Panel: 400 nits Resistive Touch: 320 nits
Contrast Ratio	500:1
Viewing Angle	Horizontal: 140° Total Vertical: 120° 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	32GB SATA SSD
I/O Interfaces	
Serial Ports	1 x RS232, 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)	315.9 x 250.9 x 67 mm
Approvals	
Approvals	CE, FCC (DOC) MIL810F/ IEC60068-2-27 for Vibration and Shock

Order Information

MILVM10IA3S-P1-5RT: 10.4" COTS Rugged Military Display Computers Compliant with MIL-STD-810 and IEC60068-2-27 Standards, 800 x 600 SVGA, 500:1 contrast ratio

Unit: mm

