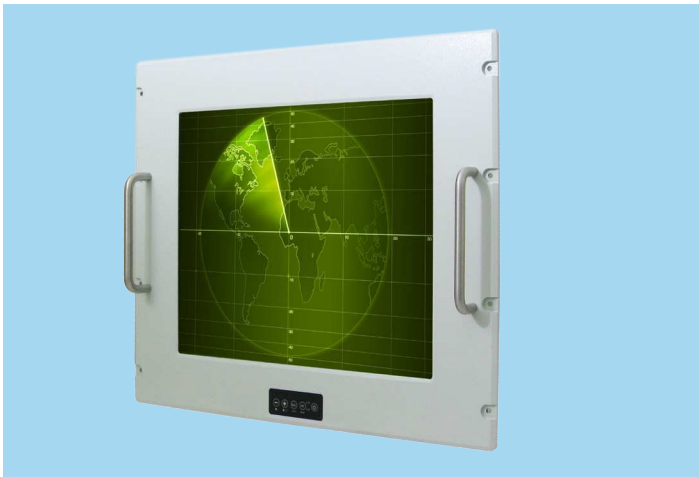


# MILRM19IA7T-M1

**19" color TFT, 1280 x 1024 SXGA, COTS Rugged Military Display Computers Compliant with MIL-STD-810 and IEC60068-2-27 Standards**



## Introduction

AIS 19" 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	19" diagonal, Active matrix TFT LCD
Aspect Ratio	5:4
Active/Area	376.32 (H) x 301.06 (V) mm
Native (Optimal) Resolution	1280 x 1024 SXGA
Colors	16.7M (6bits/color)
Brightness (Typical)	LCD Panel: 400 nits Resistive Touch: 320 nits
Contrast Ratio	1000:1
Viewing Angle	Horizontal: 170° Total Vertical: 160° Total
Touch Technology	Resistive 5-wire (optional feature)
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 RS232/422/485, 2 x RS232
USB Ports	4 x USB 2.0
Ethernet Ports	2 x RJ 45-10/100/1000 Mbps
VGA Port	1 x VGA
Environmental Conditions	
Temperature	Operating: 0°C to 50°C (32°F to 122°F)
Humidity (Non-condensing)	30 to 90%
Ingress Protection	NEMA4 IP65 IEC 60529
Vibration Protection	MIL810F Method 514.5
General	
Power Input	12 DC
Operation System Support	Windows Embedded Standard 7 Windows XP Embedded
MTBF	50,000 Hours Demonstrated
Dimensions (W x L x H)	482 x 399 x 88 mm
Approvals	
Approvals	CE, FCC (DOC) MIL810F/ IEC60068-2-27 for Vibration and Shock

## Order Information

**MILRM19IA7T-M1:** 19" COTS Rugged Military Display Computers Compliant with MIL-STD-810 and IEC60068-2-27 Standards, 1280 x 1024 SXGA, 1000:1 contrast ratio

Unit: mm

