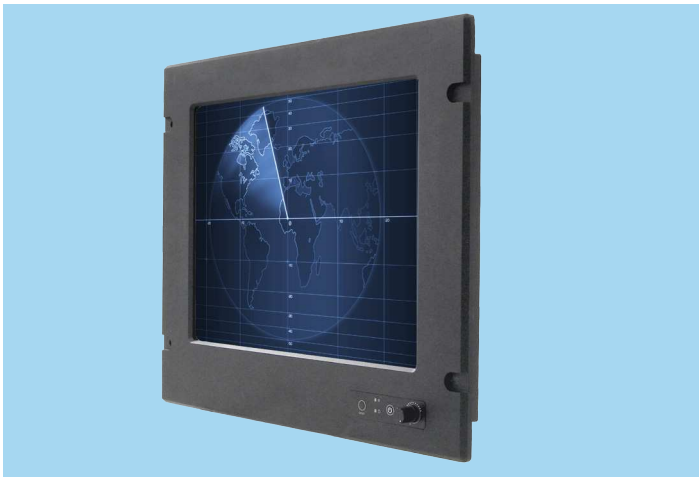


DNVMR12ID3S-M2-5RT

12.1" color TFT, 1024 x 768 XGA, COTS Rugged Marine Display Computers Compliant with IEC 60945, DNV 2.4, and IACS-E10 Standards



Introduction

AIS 12.1" COTS rugged Marine display computers are specifically designed to operate and withstand the maritime environment; and suitable for bridge control display, navigation, monitoring and ship automation applications. AIS Marine grade monitors comply with Marine equipment standards IEC 60945, DNV 2.4, and IACS-E10; needed to withstand harsh maritime environment requiring low EMI or long-term vibration resilience. These rugged Marine panel computers provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion.

Specifications

Display	
Display	12.1" diagonal, Active matrix TFT LCD
Aspect Ratio	4:3
Active/Area	245.76 (H) x 184.32 (V) mm
Native (Optimal) Resolution	1024 x 768 XGA
Colors	16.2M (8bits/color)
Brightness (Typical)	LCD Panel: 500 nits Resistive Touch: 400 nits
Contrast Ratio	700:1
Viewing Angle	Horizontal: 160° Total Vertical: 140° Total
Touch Technology	Analog Resistive 5-wire
System Hardware	
Processor	Intel® Atom™ Processor N2600 1.60 GHz
System Chipset	Intel® NM10 Express Chipset
System Memory	2GB DDR3 800 MHz, up to 4GB

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	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) (-20°C to 60°C with optional heating) Storage: -20°C to 60°C (-4°F to 140°F)
Humidity (Non-condensing)	5% to 95%
Ingress Protection	NEMA4 IP65 IEC 60529
Vibration Protection	5Hz~500Hz / 1Grms / 3 Axis
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 H x D)	337.2 x 293.2 x 83.9 mm
Approvals	
Approvals	CE, FCC (DOC) DNV standards IEC 60945, DNV 2.4, and IACS-E10

Order Information

DNVMR12ID3S-M2-5RT: 12.1" COTS Rugged Marine Display Computers Compliant with IEC 60945, DNV 2.4, and IACS-E10 Standards, 1024 x 768 XGA, 700:1 contrast ratio

Unit: mm

