

IPC-THXD0U-15SR-A00C

ATEX and IECEx Zone 2, C1D2 Certified 15" Panel PCs
ThinManager-Ready® Thin Clients with ACP-enabled BIOS



Features and Benefits

- Rugged Thin Client Panels that are ACP ThinManager-Ready®
- ATEX & IECEx Zone 2 Certified, II 3 G Ex nA ic IIA T4 Gc, IP66
- UL listed Class 1, Division 2 Groups A-D Hazardous Locations
- Zone 2 Category 3 Compliance with IEC 60079-11 & 60079-15
- Rugged Design for Maintenance-free, Continuous Operation
- High-Performance, Dual-Core, Intel® Atom™ Processor N2600
- 15" resistive touch screen with 1000 nits sunlight-readable LCD
- Completely-sealed stainless steel type 4X, IP66 enclosure
- High Performance with Optimized Power Consumption
- Zero-Maintenance, Continuous Operation w/o Fan and Hard Disk
- -20°C < Tamb < 60°C, Wide Operating Temperature Range

Introduction

The AIS ThinManager-Ready®, Rugged, Thin Client Panel PC and Touch Screen Terminal with ACP-enabled BIOS is designed and certified to meet NEC/CEC Class/Division, ATEX Directive 94/9/EC, and IECEx Zone standards for increased safety in industrial PCs in Division 2 and Zone 2 control, measuring, testing, data collection, and communication applications. AIS offers UL Class 1 Division 2 (C1D2 or Class 1 Div 2), Groups A/ B/ C/ D, T4A, ATEX 94/9/EC Zone 2 Category 3, and IECEx Zone 2, Ex "nA", T4 certification on its Hazardous Areas Industrial Panel PCs and Hazardous Locations (Hazlocs) embedded panel computers. These are primarily designed for the volatile and harsh environments of Oil, Gas, and Petrochemical manufacturing industries.

Specifications

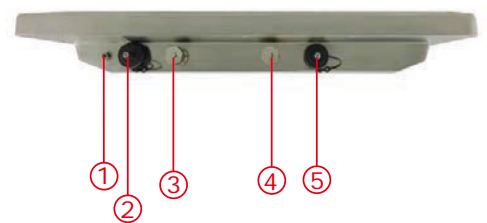
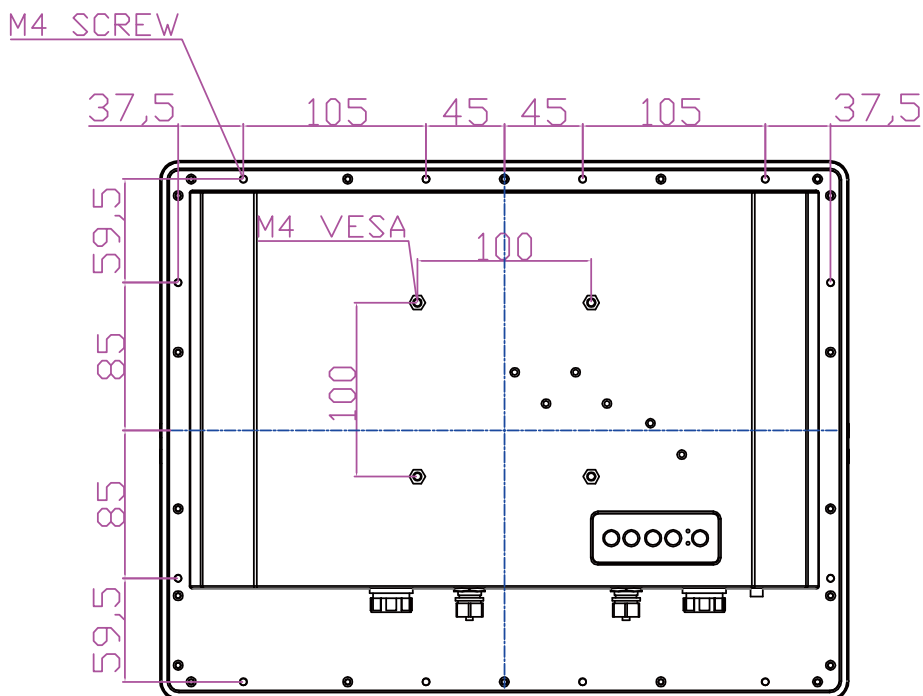
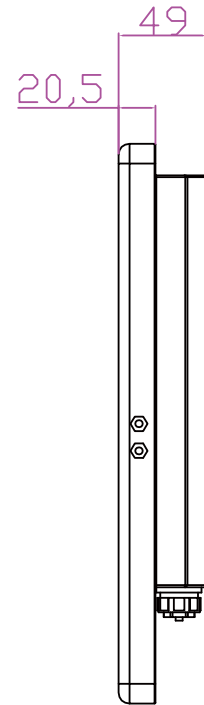
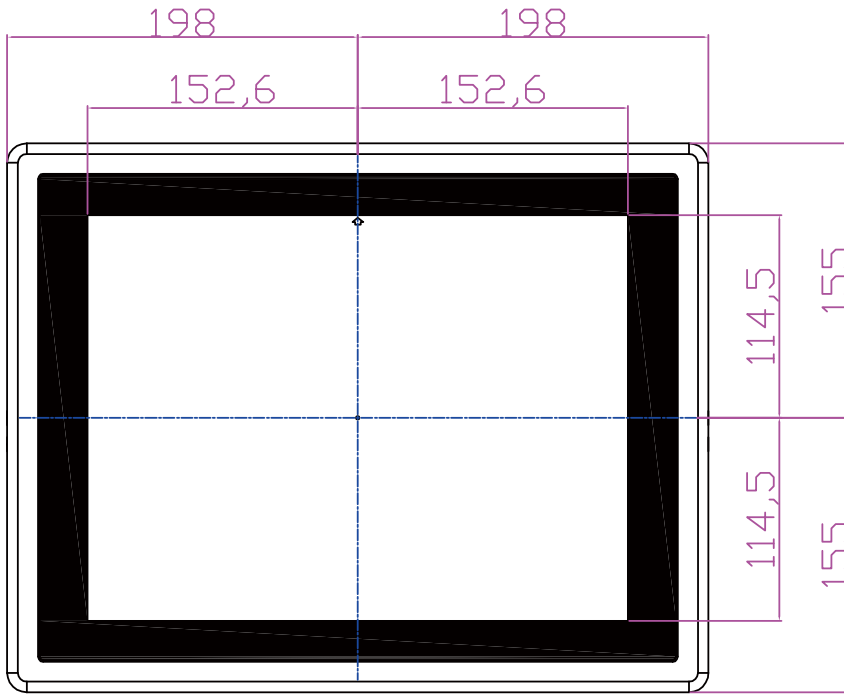
Display	
Display	15" diagonal, Active matrix TFT LCD
Aspect Ratio	4:3
Active/Area	304.1 (H) x 228.1 (V) mm
Native (Optimal) Resolution	1024 x 768 XGA
Colors	16.2M (6bits+FRC)
Brightness (Typical)	LCD Panel: 1000 nits Resistive Touch: 800 nits
Contrast Ratio	700:1
Viewing Angle	Horizontal: 160° Total Vertical: 140° Total
Touch Technology	Analog Resistive 5-wire
System Hardware	
Processor	Intel® Atom™ Processor N2600 1.6 GHz
System Chipset	Intel® 945GSE / ICH7M
System Memory	4GB DDR3 1333 MHz, up to 4GB

Storage	32GB mSATA Solid State Drive
I/O Interfaces	
Serial Ports	1 x RS232 (IP65 connector and cable)
USB Ports	2 x USB 2.0 (IP65 connector and cable)
Ethernet Ports	1 x RJ 45-10/100/1000 Mbps (IP65 connector and cable)
General	
Power Input	9V to 36V DC
Mounting Options	100 x100 mm VESA Mount, Panel Mount (optional)
Dimensions (W x H x D)	396 x 310 x 49 mm
Environmental Conditions	
Temperature	Operating: -20°C to 60°C (-4°F to 140°F)
Humidity (Non-condensing)	30 to 90% RH
Shock Protection	Operating: 15G, 11ms duration
Vibration Protection	Operating: 5 to 500 Hz, 1 Grms random vibration
Compliance	
Compliance	CE, FCC, ISA 12.12.01-2012, CSA C22.2 NO.213-M1987, ATEX 94/9/EC, UL 60950-1

Order Information

IPC-THXD0U-15SR-A00C: 15", 1024 x 768 XGA, Hazardous Areas Classified Locations HMI Touch Panel PC, Intel® Atom™ Processor N2600 with Completely Sealed IP65 Stainless Steel/IP65 Stainless Steel, Resistive Touch, ACP ThinManager-Ready®

Unit: mm



1. Ground
2. Power (9~36V DC input)
3. LAN
4. RS232
5. 2 x USB