

R19IHAT-66EX

19" Intel® Core™ i5/i7 ATEX Panel PC



KEY FEATURES

- 19" 1000 nits LCD ATEX Panel PC
- Class 1, Division 2 & ATEX Zone 2 certified for hazardous area applications
- Intel® Haswell Core™ i5-4300U(Optional i7-4650U)
- Fanless design with streamlined enclosure for highly efficient heat dissipation
- Intelligent Heater for working in extreme cold environments -40°C



SPECIFICATIONS

System Specification

Processor	Intel® Core™ i5-4300U (3M Cache, up to 2.90 GHz) Intel® Core™ i7-4650U (4M Cache, up to 3.30 GHz) (Optional)	Memory	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
Storage	1 x mSATA SSD 128GB mSATA SSD up to 512GB (Optional) 1 x SATA III for 2.5" HDD (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Security	TPM 1.2	Operating System	Windows 7 Embedded Systems (Optional) Windows 10 IoT Enterprise (Optional) Linux Ubuntu 20.04 (Optional)

Display

Touch / Glass	Projected Capacitive Multi Touch Screen Bonding With Panel	Resolution	1280x1024
Size	19 inches	Contrast Ratio	1000:1
Panel Brightness	800 nits 1000 nits(Optional)	View Angles	85,85,80,80
Active Area	376.32x301.06 mm		

Mechanical

Dimension	474 x 410 x 111 mm	Mounting	Panel mount VESA Mount
Enclosure	Aluminum Housing	Cooling System	Fanless design
Cut out	462 x 386mm		

Environment

Operating Humidity	5% to 95% (non-condensing)	Operating Temperature	-40~70°C (with intelligent heater)
Storage Temperature	-40~70°C	Shock	MIL-STD-810G Method 516.6
Vibration	MIL-STD-810G Method 514.6	IP rating	IP66 Meet Standard IEC60529 (for Non-Hazardous location) IP54 Meet Standard IEC60079 (for Hazardous location)

Certification

Certification	CE, FCC
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UL 60950-1
CSA C22.2 No. 60950-1-07
EN 62368-1

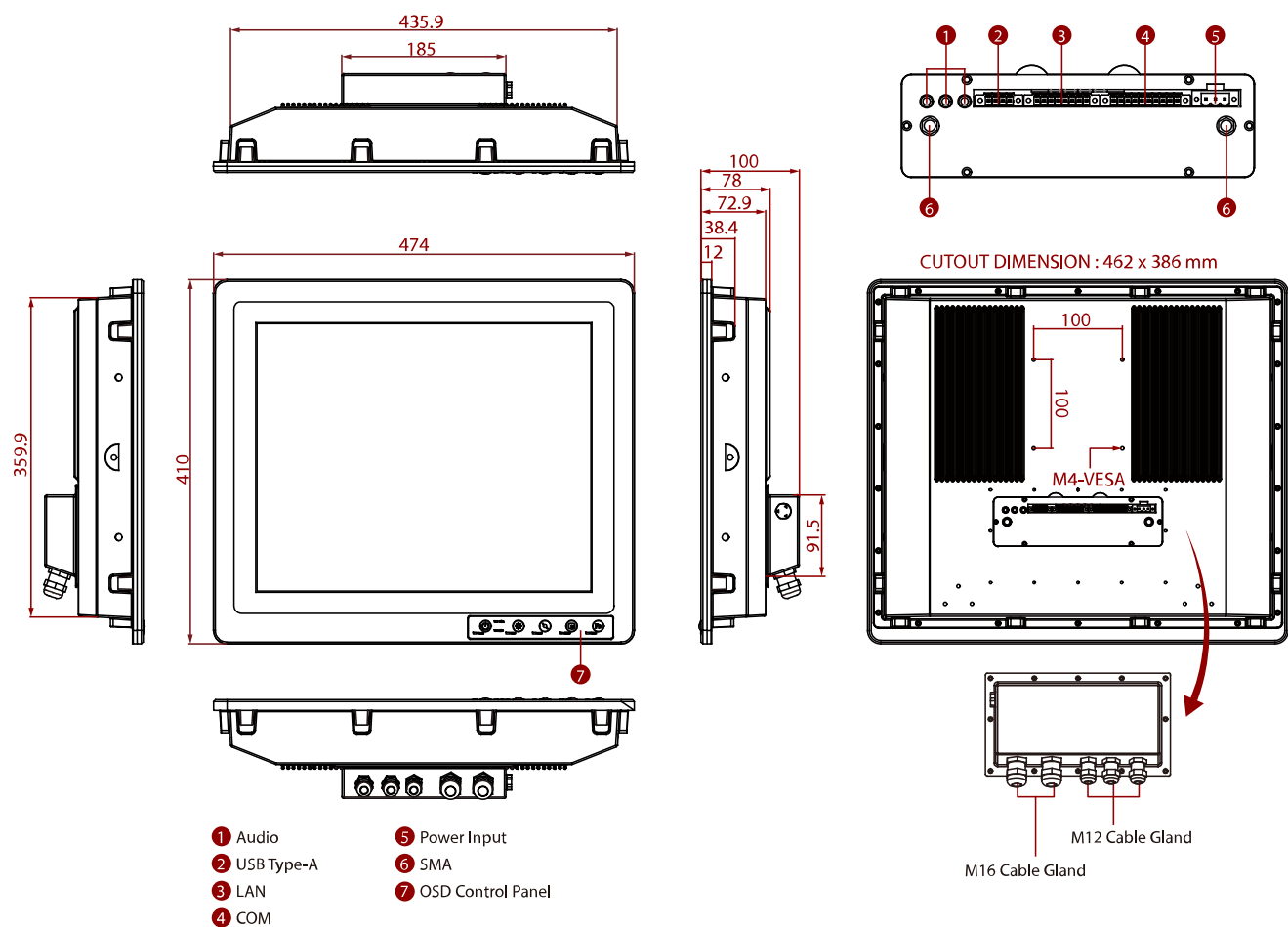
Class I, Div.2, Groups A,B,C,D T4
-40 ≤ Tamb ≤ 70
Meet Standards
ANSI/ISA-12.12.01-2013
CSA Std. C22.2 No. 213-M1987

ATEX II 3G Ex nA ic IIC T4 Gc
-40 ≤ Tamb ≤ 70
Meet Standards
EN 60079-0, EN 60079-11, EN 60079-15

IECEX Ex nA ic IIC T4 Gc
-40 ≤ Tamb ≤ 70
Meet Standards
IEC 60079-0, IEC 60079-11, IEC 60079-15

IO Ports			
Power Input	1 x 9~36V DC, 3-Pin Terminal Block	USB Port	1 x USB2.0, 4-Pin Terminal Block
Serial Port	1 x RS232/422/485, 10-Pin Terminal Block	Expansion Port	1 x mPCIe slot(for half size Wifi module) 1 x mPCIe slot(for SSD)
LAN	1 x LAN, , 8-Pin Terminal Block	Indicator	1 x LED Indicator for power 1 x LED Indicator for storage 1 x LED Indicator for heater 1 x LED Indicator for LAN 1 x LED Indicator for lock touch
Gland	2 x EX-Type Brass Cable Gland M16 (Cable range 7.5~10.2mm) 3 x EX-Type Brass Cable Gland M12 (Cable range 5.4~8mm)		
Control			
Button	1 x Power Button 1 x Brightness up Button 1 x Brightness down Button 1 x Button for locking touch function 1 x Programmable function key		
Accessory			
Accessory	24V 150W AC to DC Adapter Power cord Open wired power cable for M12 cable Gland Open wired LAN/COM cable for M16 cable Gland Manual & Driver DVD VESA Mounting Screws Mounting Clips & Screws 3 Pins Terminal Block For Power 8 Pins Terminal Block For LAN 4 Pins Terminal Block For USB 10 Pins Terminal Block For COM	Optional Accessory	SMA male to female extension cable for M12 cable Gland (Optional)

DIMENSIONS UNIT:MM



NOTE

- 1. This is a simplified drawing and some components are not marked in detail.
- 2. Please contact our sales representative if you need further product information.
- 3. All specifications are subject to change without prior notice.
- 4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.