

R19IHAT-66EX

19" Intel® Core™ i5/i7 ATEX Panel PC



Backplane
Systems
Technology

Backplane Systems
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KEY FEATURES

- 19" 1000 nits LCD 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 64GB mSATA SSD up to 512GB (Optional) 1 x SATA III for 2.5" HDD (Optional)	Ethernet controller	Intel® Ethernet Controller I210-AT+ Intel® Ethernet Connection I218-LM
Security	TPM 1.2	Operating System	Windows 7 Embedded Systems (Optional) Windows 10 IoT Enterprise (Optional) Linux Ubuntu 18.04 (Optional)
Display			
Resolution	1280x1024	Size	19.0 inches
Contrast Ratio	1000:1	Panel Brightness	350 nits 1000 nits(Optional)
View Angles	85,85,80,80	Active Area	376.32x301.06 mm
Touch / Glass	Projected Capacitive Multi Touch Screen Bonding With Panel		
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)
Drop	MIL-STD-810G Method 516.6		
Certification			

Certification

CE, FCC

UL 60950-1
 CSA C22.2 No. 60950-1-07
 EN 60950-1

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



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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)
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

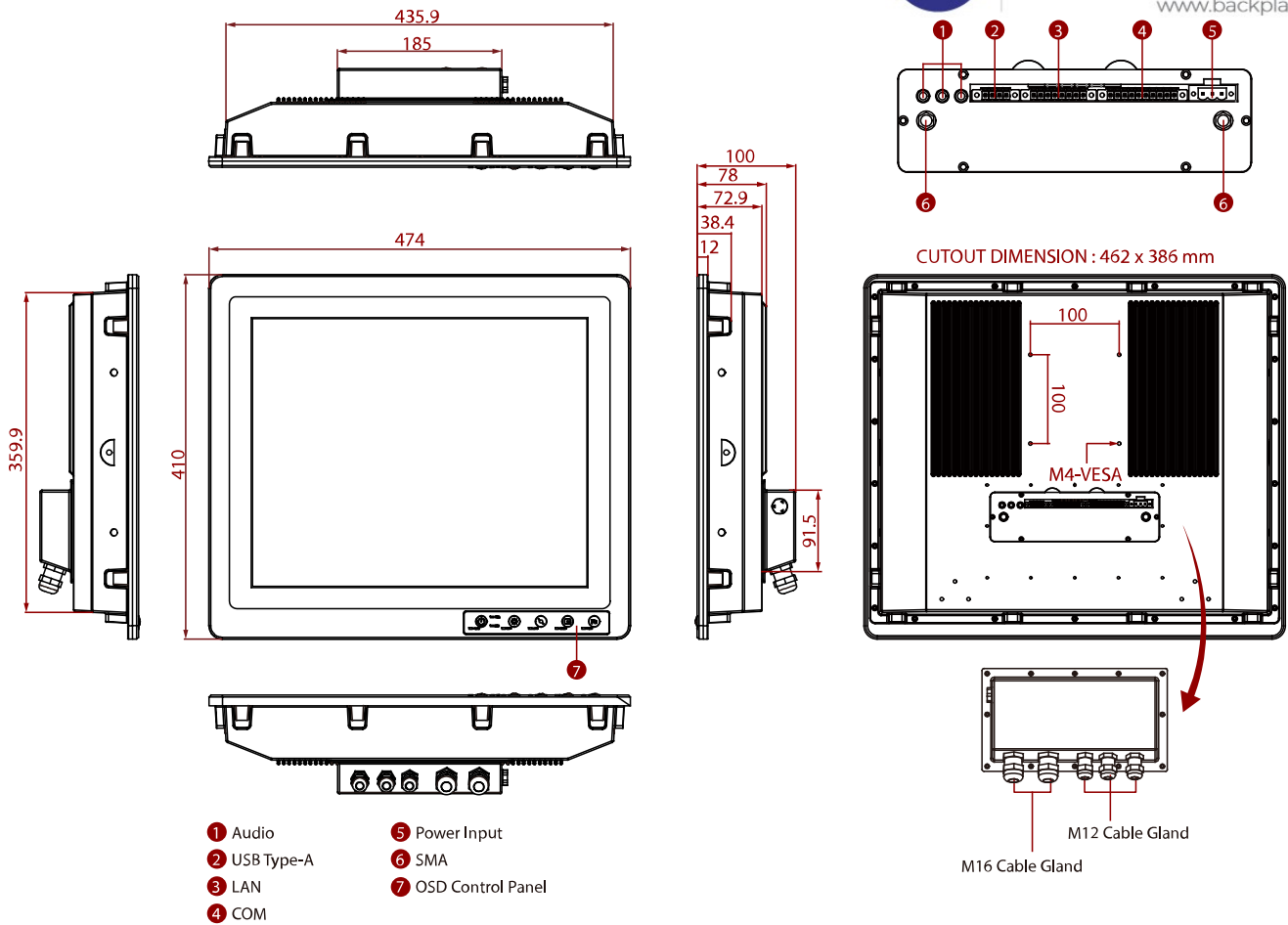
Button	1 x Power Button 1 x Brightness up Button 1 x Brightness down Button 1 x Button for locking touch function 1 x Programmable function key
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Accessory

Accessory	24V 150W AC to DC Adapter Open wired power cable for M12 cable Gland Open wired LAN/COM cable for M16 cable Gland User's Manual	Optional Accessory	SMA male to female extension cable for M12 cable Gland (Optional)
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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.