

R15IMT3S-VMC3-P(HB)

15" Intel® Core™ Ultra 5 Processor 125U G-WIN Vehicle Mount Panel PC



KEY FEATURES

- 15" Panel, 1024*768 resolution, 300 nits (Optional for 1000 nits)
- Intel® Core™ Ultra 5 Processor 125U 12M Cache, up to 4.30 GHz
- P-cap multi touch screen
- Optional True Flat 5 Wire Resistive Touch
- Optional Anti-Reflective Protection Glass
- Aluminum Die-Casting Housing with Anti-Corrosion Treatments
- Build in ambient Light sensor
- Front IP65 (Except I/O parts)
- 10 to 55°C wide operating temperature
- 1 x 2.5 Giga LAN .1 x Giga LAN RJ45 Connector. Support Edge BMC for OOB(Out-of-Band) remote control management
- Wide Range 9 to 36V DC Input with isolation. Optional for Ignition On/Off delay
- Anti-Shock & Vibration compliant with MIL-STD-810F/G

INTRODUCTION

The R15IMT3S-VMC3-P(HB) combines rugged durability with next-gen Intel® Core™ Ultra 5 performance. Designed for harsh vehicle and industrial environments, this 15" Panel PC features an optically bonded display for superior visibility and MIL-STD-810G compliance. With built-in Edge BMC for remote OOB management and wide-range power input, it delivers reliable, AI-ready computing at the edge.

SPECIFICATIONS

System Specification			
WLAN	Support (Optional)	BT	Support (Optional)
Processor	Intel® Core™ Ultra 5 Processor 125U 12M Cache, up to 4.30 GHz	Memory	1 x SO-DIMM, DDR5 5600 MHz, 8GB 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 2280 M-Key NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional)	Ethernet controller	LAN1: Intel I210; Support EdgeBMC for OOB(Out-of-Band) remote control management LAN2: Intel I226
Security	TPM 2.0	Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 24.04(Do not support Wake on Touch) (Optional)

Display

Resolution	1024x768	Size	15.0 inches
Contrast Ratio	2000:1	Panel Brightness	1000.0 nits
View Angles	88,88,88,88	Active Area	304.1x228.1 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		

Mechanical

Dimension	379.4 x 278.4 x 58 mm	Weight	3.8 kg
Mounting	VESA mount	Enclosure	Aluminum Housing
Cooling System	Fanless Design		

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-10°C to 55°C
Storage Temperature	-30°C to 70°C	Shock	MIL-STD-810G Method 516.6 Procedure I (Optional)
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	Front IP65

Certification

Certification	CE, FCC		
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IO Ports

Power Input	1 x 9~36V DC, 3-Pin Terminal Block	USB Port	2 x USB3.2 Gen1x1 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232) 1 x RS232	Video	1 x HDMI 2.0b (Optional)
Expansion Port	1 x M.2 2230 E-Key Slot (for Wi-Fi module)	LAN	1 x 2.5 Giga LAN RJ45 Connector 1 x Giga LAN RJ45 Connector.Support EdgeBMC for OOB(Out-of-Band) remote control management
Indicator	1 x LED Indicator for power 1 x LED Indicator for storage		

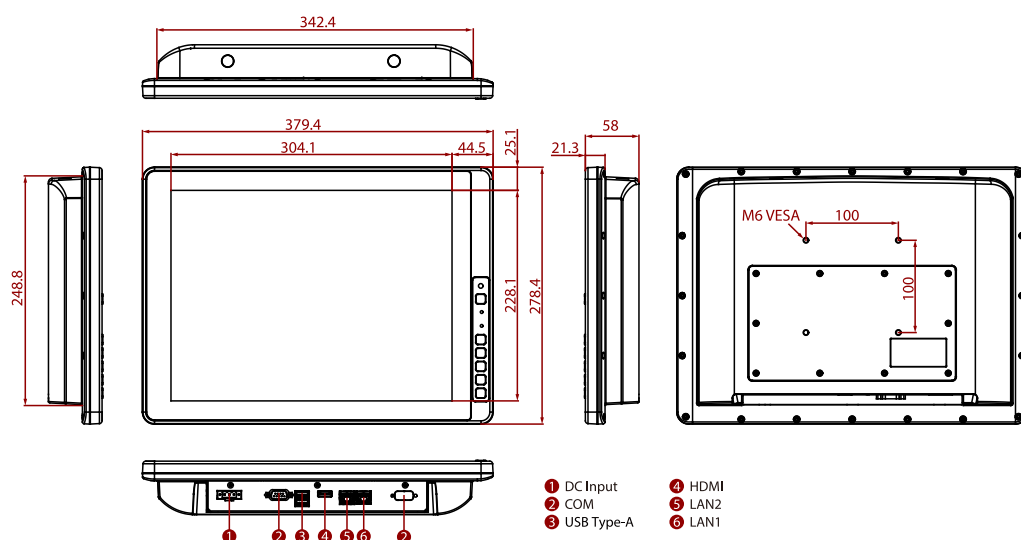
Control

Button	1 x Power Button 1 x Reset Button 1 x Lock / Unlock front key function button 1 x Auto Dimming / Manually button 1 x Day / Night Mode button 1 x Brightness Up button 1 x Brightness Down button 1 x LED indicator brightness adjustment button 1 x Light sensor		
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Accessory

Accessory	Open Wire Cable with terminal block connector VESA screws	Optional Accessory	Yoke mount stand (Optional) 100~240V AC to DC 84W Adapter with power cord (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.