

W18IT7T-IPA2

18.5" Intel® Core™ i5 (Tiger Lake) Front IP65 Panel PC



KEY FEATURES

- Intel® Core™ Tiger Lake UP3 i5-1135G7 (Without vPro) / Intel® Core™ Tiger Lake UP3 i5-1145G7E (With vPro)
- 1366 x 768 Resolution
- Multi display supports DP / HDMI / LVDS / eDP panel interface
- Multiple I/Os, 2 x Serial Ports, 4 x USB 3.2 Gen. 1 Ports
- 12V Single Voltage Power Input
- Front IP65 water and dust proof

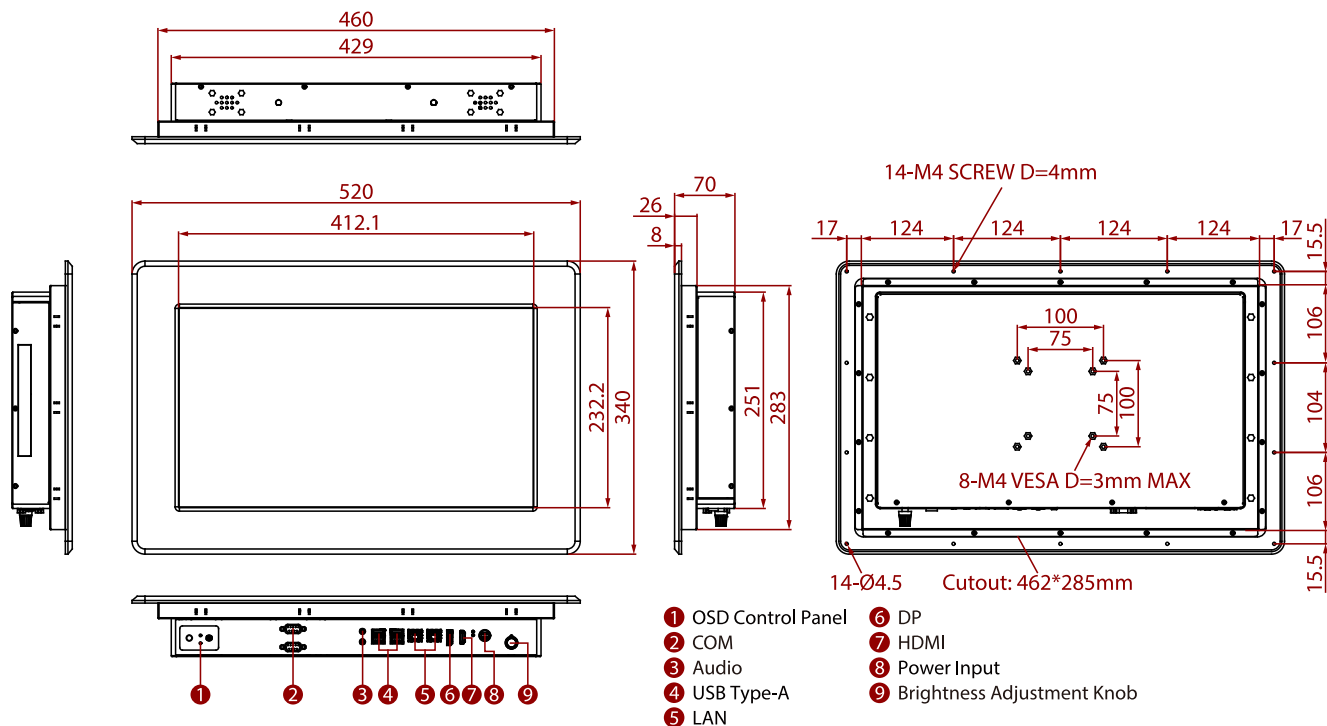


SPECIFICATIONS

Display	
Resolution	1366x768
Contrast Ratio	1000:1
View Angles	85,85,80,80
Touch / Glass	Resistive Touch Screen (Optional) Protection Glass Without Touch Function (Optional)
Size	18.5 inches
Panel Brightness	450 nits
Active Area	409.8X230.4 mm
System Specification	
WLAN	Support (Optional)
Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz) Intel Core i5-1145G7 2.6GHz (up to 4.4GHz) (Optional)
Storage	1 x M.2 M-Key 2242 SATA SSD or 1 x M.2 M-Key 2280 NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB(for NVMe) (Optional) 2TB(for NVMe) (Optional) 4TB(for NVMe) (Optional) 1 x SATA III , up to 2TB (Optional)
Security	TPM 2.0
BT	Support (Optional)
Memory	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional) 2 x SO-DIMM, DDR4 3200 MHz, 4GB (Optional) 8GB (Optional) 16GB (Optional) 32GB (Optional) 64GB (Optional)
Ethernet controller	2 x Intel® Ethernet Controller
Operating System	Windows 11 IoT Enterprise SAC (64 bit) (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 22.04 (Optional)
Mechanical	
Dimension	520 x 340 x 70 mm
Enclosure	Metal Housing
Cut out	462 x 285mm
Mounting	Panel mount VESA Mount
Cooling System	Fanless design
Environment	
Operating Humidity	10% to 90% RH, Non-Condensing
Operating Temperature	0°C to 50°C

Storage Temperature	-10°C to 60°C	IP rating	Front IP65
Certification			
Certification	CE, FCC		
IO Ports			
Power Input	1 x 12V DC, Din4 pin connector	USB Port	4 x USB3.2 Gen1x1 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232) 1 x RS232	Video	1 x DP1.4 1 x HDMI 2.0 (Optional)
Audio	Mic in Line out	Expansion Port	1 x M.2 2242/2280 Key M slot for SATA/NVMe SSD 1 x M.2 2230 Key E slot for WiFi (Optional)
LAN	2 x Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for power 1 x LED Indicator for storage
Brightness Knob	1 x Brightness Adjustment Knob		
Control			
Button	1 x Power Button 1 x Reset Button		
Accessory			
Accessory	100~240V AC to DC Adapter Power Cord VESA screws Mounting clips		
Power			
Power Rating	12V DC	Adapter	12V 120W

DIMENSIONS UNIT:MM



NOTE

1. Measurements shown in mm
2. Tolerance of all dimensions is shown as follow 0~30 mm ± 0.1 mm, 30~50 mm ± 0.15 mm, 50~120 mm ± 0.2 mm, above 120 mm ± 0.25 mm
- Note: this is a simplified drawing and some components are not marked in detail.
3. Please, contact our sales representative if you need further product information.
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.

