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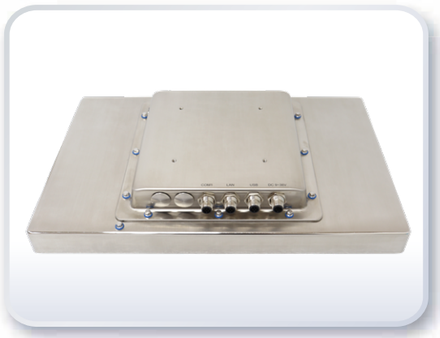


Features

- 15.6" New Generation Stainless Steel Panel PC
- 11th Gen. Intel Core i3/i5 BGA type Processor
- True Flat Front Bezel Design and Grade 304 Stainless Steel Enclosure (Grade 316 for Option)
- IP66/IP69K Rated with M12 Connectors
- Ultra Slim Front Frame Design
- Special Hygienic Bolts on Rear Case
- Waterproof Wireless Antenna Covers to Solve the Bend Damage and Easy to Clean
- Support Ergonomic Versatile Mounting:
  VESA Mount 100 x 100 / Floor Stand / Swing ARM

Specifications

System	
CPU	Onboard 11th Gen. Intel Core i3/i5 Processor Core i5-1145G7E (Quad Core, 8 MB cache, 1.50 GHz) Core i3-1115G4E (Dual Core, 6 MB cache, 2.20 GHz)
System Chipset	SoC
Memory	2 x 260-pin SO-DIMM up to 64GB DDR4 3200MHz
TPM	TPM 2.0

IO Port	
USB	1 x M12 8-pin for 2 x USB 2.0 with waterproof cover
Serial / Parallel	1 x M12 8-pin COM1, RS-232/422/485, default RS-232, with waterproof cover
LAN	1 x M12 8-pin for LAN with waterproof cover
Power Connector	1 x M12 3-pin for DC power with waterproof cover 1 x Power switch on the rear
Option	2 x optional blank M12 connector with waterproof cover for selecting two from the following options: 2 x USB 2.0 1 x USB 3.2 Gen.1 1 x HDMI 1 x LAN 1 x COM 1 x CAN

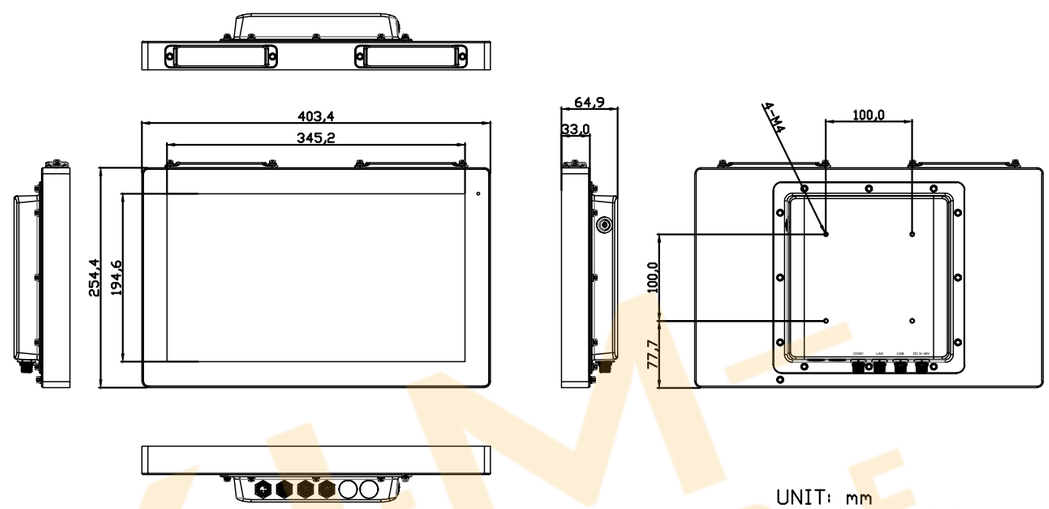
Storage Space	
M.2	1 x M-Key 2280 (PCIe x4) for SSD

Expansion	
Expansion slot	1 x Full size mPCIe/mSATA (mPCIe as default, select by BIOS) 1 x NANO-SIM 1 x M.2 E-key 2230 (PCIe+USB) for optional WIFI/BT module
RFID module	RFID module design on the front side (for option)

Dispalay	Standard		High Brightness Optional	
Display Type	15.6" TFT-LCD		15.6" TFT-LCD	
Max. Resolution	default	optional	default	optional
	1366 x 768	1920 x 1080	1366 x 768	1920 x 1080
Max. Color	16.7M	16.7M	16.7M	16.7M
Luminance (cd/m^2)	400	500	1000	1000
View Angle	170(H)/160(V)	178(H)/178(V)	160(H)/160(V)	170(H)/170(V)
Contrast	500:1	1000:1	500:1	1000:1
Backlight Lifetime	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs

Touch Screen	
Type	Projected Capacitive Touch
Interface	USB
Light Transmission(%)	90%

Dimensions



UNIT: mm
Tolerance: ±0.5

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Power	
Power Input	DC 9~36V
Power Consumption	PhanTAM-916CP: 32W

Mechanical	
Construction	304 Stainless Steel Chassis (default), 316 Stainless Steel Chassis (optional)
Mounting	VESA Mount 100 x 100, Floor Stand / Swing ARM (optional)
IP Rating	Total IP66/IP69K
Dimensions	404.4 x 225.4 x 64.9 mm
Net Weight	5.1 kg

Environmental	
Operating Temperature	0~50°C / -20~60°C for option
Storage Temperature	-30~70°C
Humidity	10 to 90% @ 40°C, non-condensing
Certificate	CE/FCC Class A

Operating System Support
Windows 10 IoT ENT LTSB, Windows 11

Ordering Information	
PhanTAM-916CP	15.6" WXGA IP66/IP69K stainless steel panel pc, Intel 11th Gen. Core i Processor, 2 x SO-DIMM DDR4 slots, 128GB TLC SSD, projected capacitive touch, 9~36V DC power input with Adapter
PhanTAM-916CPH	15.6" WXGA IP66/IP69K stainless steel panel pc, Intel 11th Gen. Core i Processor, 2 x SO-DIMM DDR4 slots, 128GB TLC SSD, projected capacitive touch, 9~36V DC power input with Adapter, 1000 nits

V 1.5

All specifications and photos are subject to change without notice.
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Industrial Panel PC

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All operating parameters, including typical parameters, must be validated for each customer application by the customer’s technical experts.

Please contact us if you have any questions about the contents of the datasheet.

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