

Features

- 15.6" New Generation Stainless Steel Panel PC
- Intel Celeron J6412 Processors
- 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 | Intel Celeron J6412 (2.0GHz) Processor |
| System Chipset | SoC |
| Memory | 1 x 260-pin SO-DIMM up to 32GB 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 LAN 1 x COM |

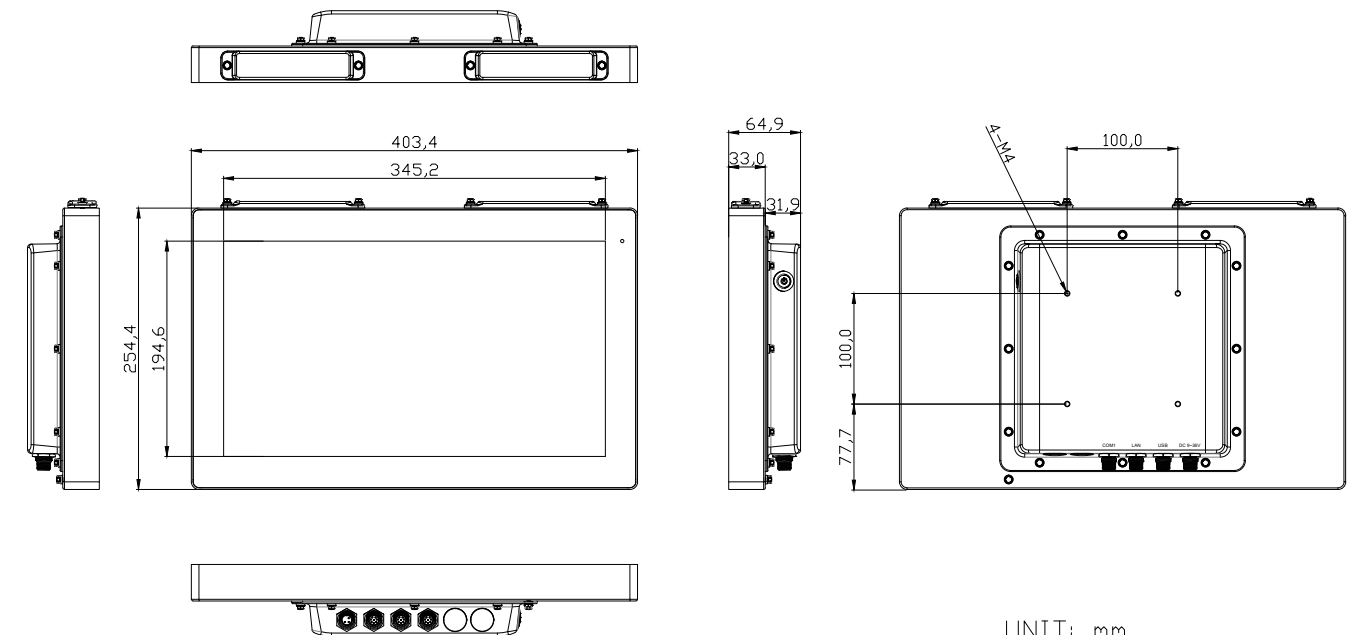
| Storage Space | |
|---------------|---|
| M.2 | 1 x M.2 B-Key 2242/2280 for SSD (SATA3) |

| Expansion | |
|----------------|---|
| Expansion slot | 1 x Full-size mini PCIe slot for 4G/5G 1 x Micro SIM slot 1 x M.2 E-Key 2230 for WiFi/BT module |
| RFID module | RFID module design on the front side (for option) |

| Display | Standard | | High Brightness Optional | |
|--------------------------------|---------------|---------------|--------------------------|---------------|
| | 15.6" TFT-LCD | | 15.6" TFT-LCD | |
| Display Type | default | optional | default | optional |
| Max. Resolution | 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

| Power | |
|-------------------|---------------------|
| Power Input | DC 9~36V |
| Power Consumption | PhanTAM-816BPH: 35W |

| 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 | 403.4 x 254.4 x 64.9 mm |
| Net Weight | 5 kg |

| Environmental | |
|-----------------------|-------------------------------------|
| Operating Temperature | 0~50°C (WT1: -20~60°C for optional) |
| 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-816BP | 15.6" WXGA IP66/IP69K stainless steel panel pc, Intel Celeron J6412 Processors, 1 x SO-DIMM DDR4 slots, 128GB TLC SSD, projected capacitive touch, 9~36V DC power input with Adapter |
| PhanTAM-816BPH | 15.6" WXGA IP66/IP69K stainless steel panel pc, Intel Celeron J6412 Processors, 1 x SO-DIMM DDR4 slots, 128GB TLC SSD, projected capacitive touch, 9~36V DC power input with Adapter, 1000 nits |

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