

Features

- 15.6" Industrial Compact Size Panel PC
- Intel Celeron N2930(1.83GHz) CPU built-in / Atom E3845(1.91GHz) for option
- Onboard 4GB DDR3L 1333MHz/ 8GB(option)
- Flat Front Panel Touch Screen and Fanless Design
- DC 9~36V Wide-Ranging Power Input
- IP66 Compliant Front Panel
- Optional Projected Capacitive Touch Screen Support 7H Anti-Scratch Surface
- High Brightness 1,000 nits for option

Specifications

| System | |
|----------------|---|
| CPU | Intel Celeron N2930 Processor (2M Cache,1.83GHz) Atom E3845 Processor (2M Cache,1.91GHz) |
| System Chipset | SoC |
| Memory | Onboard 4GB DDR3L SDRAM, up to 8GB (option) |

| I/O Port | |
|-------------------|--|
| USB | 2 x USB 3.0 type A |
| Serial / Parallel | 1 x DB-9 RS-232/422/485, COM1 (Default RS-232) 1 x RS-232 DB-9, COM2 |
| Audio | 1 x Audio Line Out |
| LAN | 2 x GbE LAN RJ-45 |
| Power | 1 x 3-pin DC power input terminal 1 x 2-pin connector for power on/off button |

| Option | |
|---|--|
| VESA Stand | 4G LTE/WIFI/ BT |
| 4 x USB 2.0 type A (TB-528U4) | 4 x USB 2.0 type A + 1 x Mini-PCIe + 1 x SIM slot (TB-528U4ME1) |
| 2 x COM (RS-232) (TB-528C2) | 1 x COM (RS-232) + 2 x USB 2.0 (TB-528C1U2) |
| 1 x COM (RS-232) + 2 x USB 2.0 (TB-528C1U2) | 1 x COM (RS-232) + 2 x USB 2.0 + 1 x Power Button (TB-528C1U2P1) |
| 2 x COM (RS-232) + 1 x Mini-PCIe slot + 1 x SIM slot (TB-528C2ME1) | 2 x COM (RS-232) + 1 x Mini-PCIe slot + 1 x SIM slot (TB-528C2ME1) |
| 2 x COM (RS-422/485, isolated) (TB-528C2I) | 2 x COM (RS-422/485, isolated) (TB-528C2I) |
| 2 x CAN (TB-528CAN2) | 2 x CAN (TB-528CAN2) |
| 1 x LAN + 2 x USB 2.0 type A (TB-528E1U2) | 1 x LAN + 2 x USB 2.0 type A (TB-528E1U2) |
| 1 x LAN(45W isolated PoE PD) + 2 x USB 2.0 type A (TB528E1U2UPOE) | 1 x LAN(45W isolated PoE PD) + 2 x USB 2.0 type A (TB528E1U2UPOE) |
| Backup Battery 21W/10.8V/1.95Ah(3S1P) | Backup Battery 21W/10.8V/1.95Ah(3S1P) |
| System is only allowed to build in either TB-528 PoE series or backup battery | |

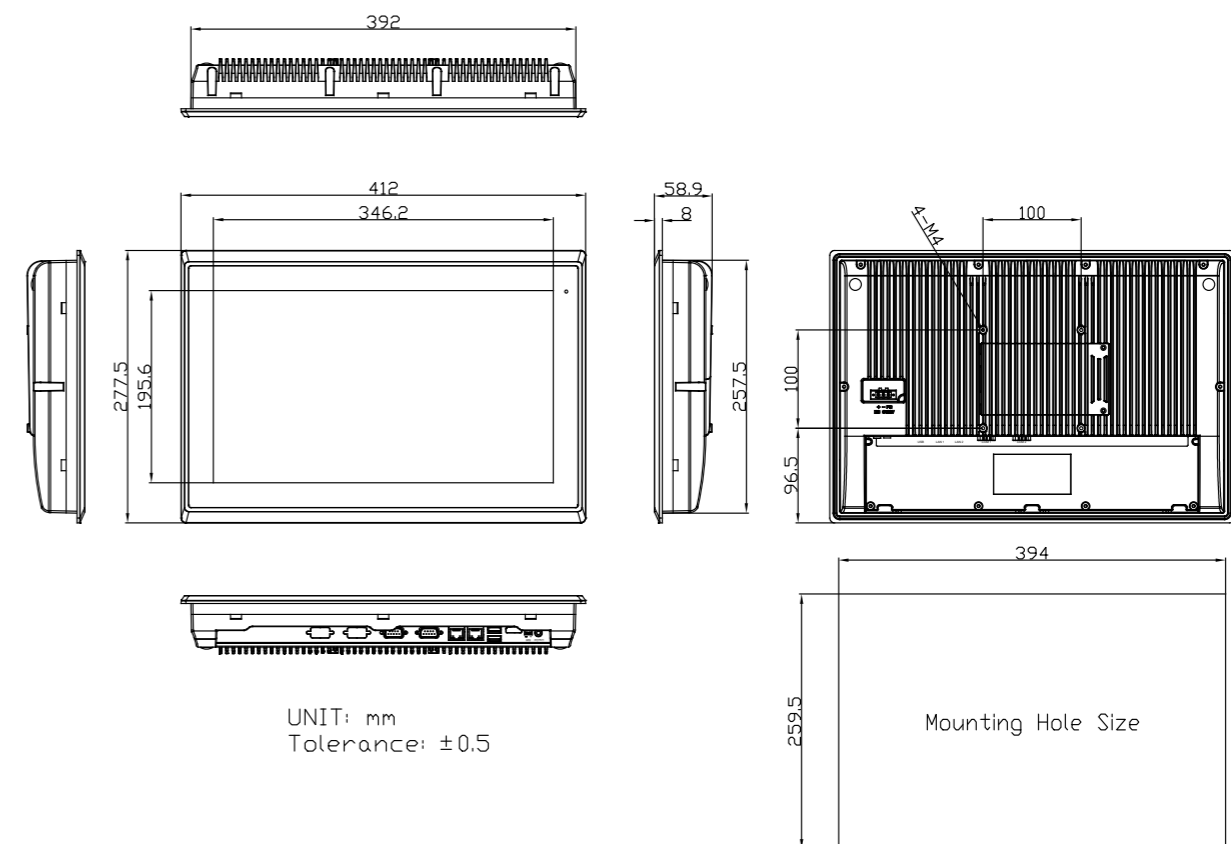
| Storage Space | |
|----------------|------------------------------------|
| HDD | 1 x 2.5" SATA3 HDD space |
| Movable Device | 1 x Micro SD card slot, up to 32GB |

| Expansion | |
|-----------------------|--|
| Onboard Expansion bus | 1 x Mini-PCIe slot (full size) 1 x Micro SIM slot |

| Display | Standard | | High Brightness Optional | |
|--------------------------------|---------------|---------------|--------------------------|---------------|
| | 15.6" TFT-LCD | | 15.6" TFT-LCD | |
| Display Type | 15.6" TFT-LCD | | 15.6" TFT-LCD | |
| Max. Resolution | 1366 x 768 | 1920 x 1080 | 1366 x 768 | 1920 x 1080 |
| Max. Color | 16.7M | 16.2M | 16.7M | 16.2M |
| Luminance (cd/m ²) | 400 | 450 | 1000 | 1000 |
| View Angle | 170(H)/160(V) | 170(H)/170(V) | 160(H)/160(V) | 170(H)/170(V) |
| Contrast | 500:1 | 800:1 | 500:1 | 800:1 |
| Backlight Lifetime | 50,000 hrs | 50,000 hrs | 50,000 hrs | 50,000 hrs |

| Touch Screen | |
|-----------------------|---|
| Type | Resistive Touch Projected Capacitive Touch (for P model) |
| Interface | USB |
| Light Transmission(%) | Resistive Touch: 80% Projected Capacitive Touch: 90% |

Dimensions



| Power | |
|-------------------|------------------------|
| Power Input | DC 9~36V |
| Power Consumption | ARCHMI-816P: 35W (MAX) |

| Mechanical | |
|--------------------|------------------------------|
| Construction | Aluminum Die-casting Chassis |
| Mounting | Panel Mount, VESA 100 x 100 |
| Dimensions (WxHxD) | 412 x 277.5 x 58.9 mm |
| IP Rating | IP66 Compliant Front Bezel |
| Net Weight | 4.9 kg |

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

| Operating System Support | |
|--------------------------|--|
| Windows 10 IoT | |

| Ordering Information | |
|----------------------|---|
| ARCHMI-816 | 15.6" WXGA Fanless HMI barebone with Intel N2930 1.83G CPU, 2GB DDR3L RAM, Resistive touch screen, DC 9~36V input with adapter, Aluminum chassis |
| ARCHMI-816P | 15.6" WXGA Fanless HMI barebone with Intel N2930 1.83G CPU, 2GB DDR3 RAM, Projected Capacitive touch screen, DC 9~36V input with adapter, Aluminum chassis |
| ARCHMI-816H | 15.6" WXGA fanless HMI barebone with Celeron N2930(1.83.GHz) CPU, 4GB DDR3L RAM, Resistive touch screen, DC 9~36V input with adapter, Aluminum chassis, 1,000 nits LCD |
| ARCHMI-816PH | 15.6" WXGA fanless HMI barebone with Celeron N2930(1.83.GHz) CPU, 4GB DDR3L RAM, Projected Capacitive touch, DC 9~36V input with adapter, Aluminum chassis, 1,000 nits LCD |