



Features



- Intel Celeron N2930 Processor
- Low Power Consumption Design
- Slim & Fanless Design
- Easily Achieve Flat Front Bezel Design
- Adjustable Front Bezel Design(2mm, 3mm and 6mm Front Bezel)
- 5-wire Resistive Touch Window/Projected Capacitive Touch Screen Support 7H Optional
- Front Bezel IP65
- Wide-ranging 9~36V DC Power Input
- System Power LED Light

Specifications

| System | |
|----------------|---|
| Processor | Onboard Intel Celeron N2930 1.83GHz Processor |
| System Chipset | SoC |
| System Memory | Onboard 4GB DDR3L 1600MHz |

| External I/O | |
|-----------------|---|
| USB | 2 x USB 3.0 type A |
| Serial/Parallel | 1 x RS-232/422/485 DB-9, Default RS-232, COM1 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 |
| Others | 1 x System power LED light |
| Option | 2 x RS-232 DB-9 + 1 x Mini-PCIe slot via TB-528C2ME1 2 x CAN bus via TB-528CAN2 2 x USB 2.0 type A + 1 x Mini-PCIe slot + 1 x RS-232 DB-9 + 1 x Power Button via TB-528C1U2P1 2 x USB 2.0 type A via TB-528U2 |

| Expansion | |
|----------------|------------------------------------|
| Expansion slot | 1 x Intel Mini-PCIe slot full size |

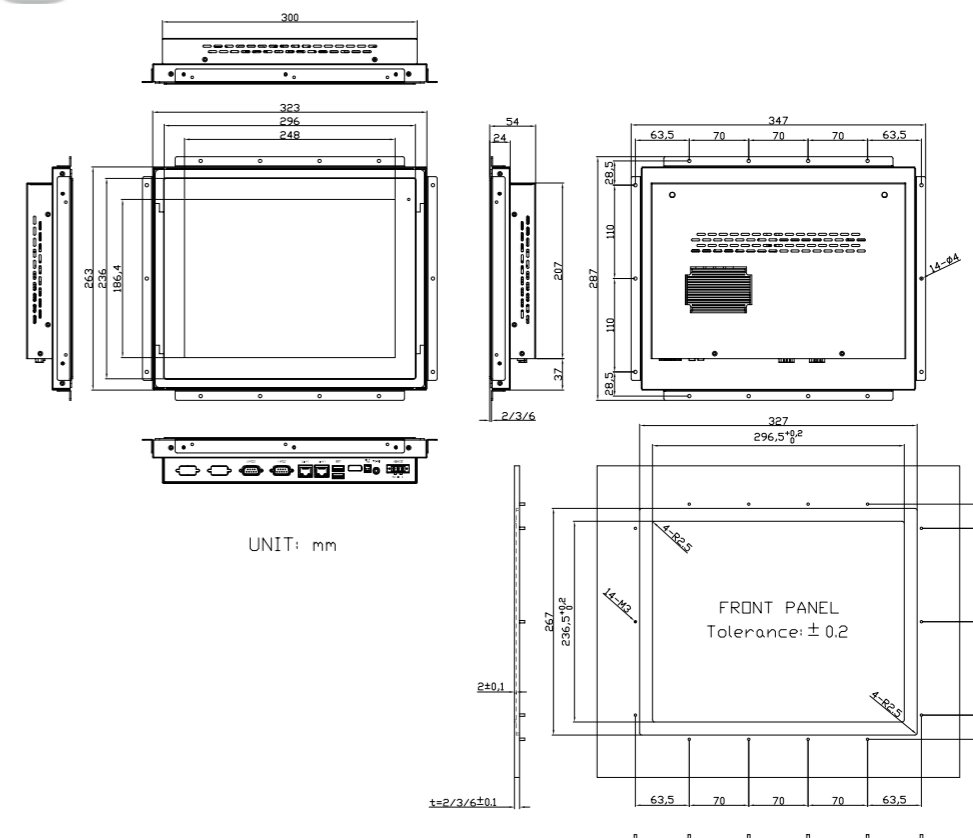
| Storage Space | |
|---------------|------------------------------------|
| Storage | 1 x 2.5" SATA HDD bay for SATA HDD |

| LCD | |
|--------------------------------|---|
| Display Type | 12.1" TFT-LCD |
| Max. Resolution | 800 x 600 / 1024 x 768 (optional) |
| Max. Color | 262K / 16.2M |
| Luminance (cd/m ²) | 450 / 500 (optional) |
| View Angle | 160(H) / 150(V) 160(H) / 140(V) (optional) |
| Contrast | 800:1 / 700:1 (optional) |
| Backlight Lifetime | 50,000 Hrs |

| Touch screen – Resistive Touch Window | |
|---------------------------------------|----------|
| Interface | USB |
| Light transmission (%) | Over 80% |

| Touch screen – Projected Capacitive Type | |
|--|----------|
| Interface | USB |
| Light transmission (%) | Over 90% |

Dimensions



| Power | |
|-------------------|---|
| Power input | 9~36V DC |
| Power Consumption | MAX: 18.7W (OPC-5128) MAX: 19.5W (OPC-5128P) |

| Mechanical | |
|-------------|--|
| Front Bezel | Flat Bezel Design(2mm, 3mm, 6mm)/Steel/Stainless Steel /Aluminum With System Power LED Light |
| Rear Bezel | Steel |
| IP Rating | IP65 compliant front panel |
| Dimension | 323 x 263 x 54 mm |
| Net Weight | 3.7 Kg |

| Environmental | |
|---------------------------|--------------------------------------|
| Operating temperature(°C) | 0~40°C without fan / 0~60°C with fan |
| Storage temperature(°C) | -20~60°C |
| Storage humidity | 10 to 90% @ 40°C, non-condensing |
| Certification | CE/FCC class A |

| Operating System Support | |
|--|--|
| Windows Embedded Compact 7, Windows Embedded Standard 7, Windows 7 Pro(FES), Windows 7 Ultimate(FES), Windows Embedded 8.1 Industry Pro, Windows 10 IoT 2016LTSP | |

| Ordering information | |
|----------------------|--|
| OPC-5128-01 | 12.1" SVGA fanless open frame PC with AtomN2930 1.83G CPU, 4GB DDR3 RAM, Resistive touch screen, 9~36VDC input with adapter, steel enclosure |
| OPC-5128P-01 | 12.1" SVGA fanless open frame PC with AtomN2930 1.83G CPU, 4GB DDR3 RAM, Projected capacitive touch, 9~36VDC input with adapter, steel enclosure |