

# 10.4" Fanless Full IP67 Panel PC (Intel® Celeron Bay Trail-M N2930 1.83GHz)

MODEL #: R10IB3S-67T2ST

Mechanical Design



## Features:

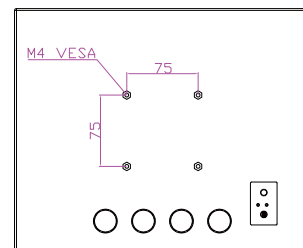
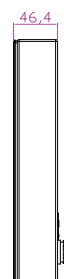
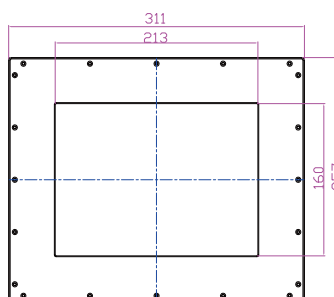
- Intel® Celeron Bay Trail-M N2930 1.83GHz Processor
- Fanless Design
- Full IP67 dust/water resistant
- Stainless Housing with Anti-Corrosion Treatment
- Optical Bonding with Anti-moisture Treatment
- 5 Wire Resistive Touch/ Anti-Reflection Protection Glass (Optional)

brushed stainless

IP67 connector / cable



2 x USB LAN COM2 Power



\* Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

## System Specifications

### Panel Spec

- Size/Type : 10.4" TFT
- Resolutions : 1024x 768
- Brightness : 350 cd/m<sup>2</sup> (typ.)
- Contrast Ratio : 1000 : 1 (typ.)
- Viewing Angle : -88~88(H); -88~88(V)
- Max. Colors : 16.2M

### Dimension

- Dimension : 311 x 257 x 46.4 mm
- Weight : 7.1 kg

### SBC Specifications

- Processor : Intel® Celeron Bay Trail-M N2930 1.83GHz
- BIOS : AMI UEFI BIOS
- System Chipset : Intel® Atom SoC Integrate
- System Memory : DDR3L 1600 MHz SO-DIMM Slot, default 4GB Max. 8GB
- Graphic Chipset : Intel® HD Graphics 4400
- Ethernet : 1000 Base-Tx Gigabit Ethernet Compatible
- Audio : Realtek ALC886 codec
- USB : 6 x USB ports, USB 2.0 compliant
- Serial : 2 x RS232, 1 x RS232/422/485 ports
- SSD Interface : 1 x Mini PCIe SSD, default 64GB
- Expansion Slot : 1 x Mini PCIe
- Power Input : DC-IN (Lockable, Power Jack)

### Power Specifications

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 33W (typ.)(Max.backlight W & high CPU load)

### Accessories

- External Power Supply 50W w/power cord

### Environment Considerations

- Operating Temperature : 0 deg.C to 45 deg.C
- Operating Humidity : 30% to 90% (non condensing)

### Input/ Output Connectors

- Ethernet LAN : 1 X RJ45-10/100/1000 Mbps
- COM : 1 X RS232
- USB : 2 x USB
- Power : 1 X 12VDC

### Mechanical Specifications

- Housing : SUS 316/ AISI 316 stainless steel

### Order Options

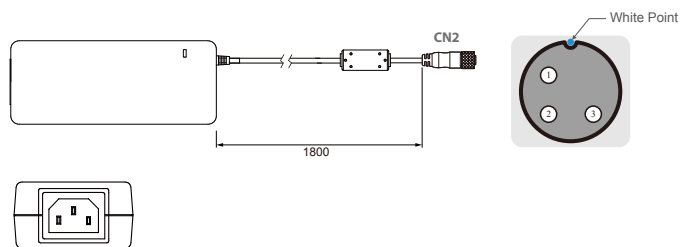
| SBC                               | PANEL PC                                                                            |
|-----------------------------------|-------------------------------------------------------------------------------------|
| RAM : SODIMM DDR3L 2GB/4GB/8GB    | Mechanical : Stainless Chassis                                                      |
| Storage : 2.5" HDD/ Mini PCIe SSD | Touch : 5 Wires Resistive (Optional)                                                |
|                                   | OS : Windows 7 embedded / Windows 8 embedded / Windows 10 IoT Enterprise (Optional) |

# 10.4" Fanless Full IP67 Panel PC (Intel® Celeron Bay Trail-M N2930 1.83GHz)

MODEL #: R10IB3S-67T2ST

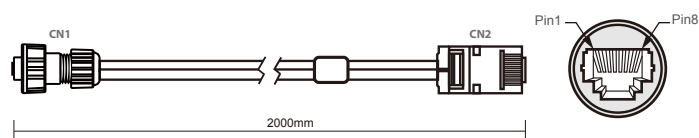
## Pin Assignment of cables

### Power Cable



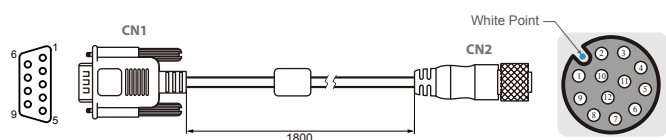
| Pin No. | Symbols | Color     |   | Pin No. | Symbols | Color        |
|---------|---------|-----------|---|---------|---------|--------------|
| CN1-1   | VIN -   | NO ASSIGN | ↔ | CN2-1   | VCC+    | Flow Adapter |
| CN1-2   | VIN -   | NO ASSIGN | ↔ | CN2-2   | GND     | Flow Adapter |
| CN1-3   | VIN -   | NO ASSIGN | ↔ | CN2-3   | VCC -   | Flow Adapter |

### LAN Cable



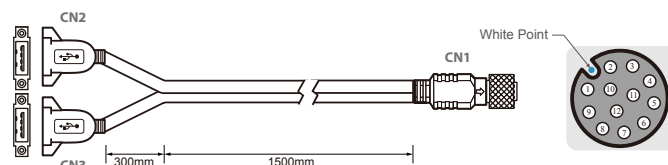
| Plug | Wire Color     | Conn. |       |
|------|----------------|-------|-------|
| 1    | Orange / White | 1     | Twist |
| 2    | Orange         | 2     |       |
| 3    | Green / White  | 3     |       |
| 4    | Blue           | 4     | Twist |
| 5    | Blue / White   | 5     |       |
| 6    | Green          | 6     | Twist |
| 7    | Brown / White  | 7     |       |
| 8    | Brown          | 8     |       |

### RS232 Cable



| Pin No. | Symbols  | Color  |   | Pin No. | Symbols  | Color  |
|---------|----------|--------|---|---------|----------|--------|
| CN1-1   | DCD-CON2 | Green  | ↔ | CN2-1   | DCD-CON2 | Green  |
| CN1-6   | DSR-CON2 | Brown  | ↔ | CN2-2   | DSR-CON2 | Brown  |
| CN1-2   | RXD-CON2 | Red    | ↔ | CN2-3   | RXD-CON2 | Red    |
| CN1-7   | RTS-CON2 | Orange | ↔ | CN2-4   | RTS-CON2 | Orange |
| CN1-3   | TXD-CON2 | Blue   | ↔ | CN2-5   | TXD-CON2 | Blue   |
| CN1-8   | CTS-CON2 | White  | ↔ | CN2-6   | CTS-CON2 | White  |
| CN1-4   | DTR-CON2 | Purple | ↔ | CN2-7   | DTR-CON2 | Purple |
| CN1-9   | RI-CON2  | Yellow | ↔ | CN2-8   | RI-CON2  | Yellow |
| CN1-5   | GND-CON2 | Black  | ↔ | CN2-9   | GND-CON2 | Black  |

### USB Cable



| Pin No. | Symbols | Color |   | Pin No.                      | Symbols | Color |
|---------|---------|-------|---|------------------------------|---------|-------|
| CN1-2   | VCC     | RED   | ↔ | CN2-1                        | VCC     | RED   |
| CN1-3   | D-      | WHITE | ↔ | CN2-2                        | D-      | WHITE |
| CN1-4   | D+      | GREEN | ↔ | CN2-3                        | D+      | GREEN |
| CN1-5   | GND     | BLACK | ↔ | CN2-4                        | GND     | BLACK |
| CN1-6   | VCC     | RED   | ↔ | CN3-1                        | VCC     | RED   |
| CN1-7   | D-      | WHITE | ↔ | CN3-2                        | D-      | WHITE |
| CN1-8   | D+      | GREEN | ↔ | CN3-3                        | D+      | GREEN |
| CN1-9   | GND     | BLACK | ↔ | CN3-4                        | GND     | BLACK |
| CN1-1   | GND     | Braid | ↔ | Braid connect to the housing |         |       |

# Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

 Uhlířská 1064/3, 710 00 Ostrava, Česká republika

 obchod@autocont-ipc.cz

 +420 552 301 002

 [www.autocont-ipc.cz](http://www.autocont-ipc.cz)



### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.