

# 19" Fanless Full IP65/NEMA4 Panel PC(Intel® Celeron M Platform)

Stainless Chassis

MODEL #: R19I53S-65M1

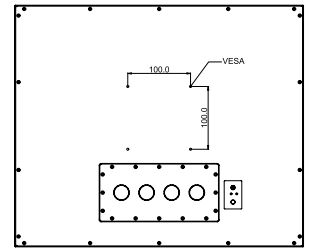
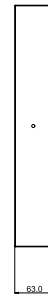
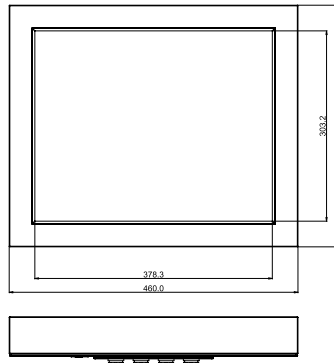
## Mechanical Design



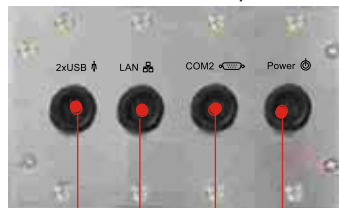
Standard:  
brushed stainless



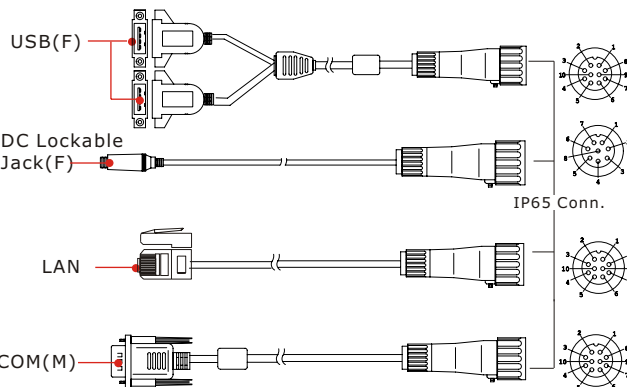
Optional:  
black, high polish,  
varnished coating



## IP65 connector / cable



2 x USB  
LAN  
COM2  
Power



| Pin Define Table |         |             |                 |
|------------------|---------|-------------|-----------------|
| cable type       |         | 10pin conn. | D-Sub 9Pin      |
| RS232            | Pin No. | Symbols     | Pin No. Symbols |
|                  | 1       | DCD-CON2    | 1 DCD-CON2      |
|                  | 2       | DSR-CON2    | 6 DSR-CON2      |
|                  | 3       | RXD-CON2    | 2 RXD-CON2      |
|                  | 4       | RTS-CON2    | 7 RTS-CON2      |
|                  | 5       | TXD-CON2    | 3 TXD-CON2      |
|                  | 6       | CTS-CON2    | 8 CTS-CON2      |
|                  | 7       | DTR-CON2    | 4 DTR-CON2      |
|                  | 8       | RI-CON2     | 9 RI-CON2       |
|                  | 9       | GND-CON2    | 5 GND-CON2      |
|                  | 10      | NC          | 10 NC           |

| Pin Define Table |         |            |                 |
|------------------|---------|------------|-----------------|
| cable type       |         | 8pin conn. | DS-026 DC Jack  |
| POWER            | Pin No. | Symbols    | Pin No. Symbols |
|                  | 1       | VCC        | 1 VCC           |
|                  | 2       | VCC        | 1 VCC           |
|                  | 3       | GND        | 2 GND           |
|                  | 4       | GND        | 2 GND           |
|                  | 5N      | C          |                 |
|                  | 6N      | C          |                 |
|                  | 7       | GND        | 2 GND           |
|                  | 8       | GND        | 2 GND           |

| Pin Define Table |         |             |               |               |                 |
|------------------|---------|-------------|---------------|---------------|-----------------|
| cable type       |         | 10pin conn. | A Type Female | A Type Female |                 |
| USB              | Pin No. | Symbols     | Pin No.       | Symbols       | Pin No. Symbols |
|                  | 1       | VCC         | 1             | VCC           |                 |
|                  | 3D      | -           | 2             | D-            |                 |
|                  | 5D      | +           | 3             | D+            |                 |
|                  | 7       | GND         | 4             | GND           |                 |
|                  | 9N      | C           |               |               |                 |
|                  | 2       | VCC         |               |               | 1 VCC           |
|                  | 4D      | -           |               |               | 2 D-            |
|                  | 6D      | +           |               |               | 3 D+            |
|                  | 8       | GND         |               |               | 4 GND           |
|                  | 10      | NC          |               |               |                 |

| Pin Define Table |         |                                                                                       |                                                                                       |       |
|------------------|---------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|
| cable type       |         | 10pin conn.                                                                           | US PLUG 8P8C 3U"                                                                      |       |
| LAN              | Pin No. | Symbols                                                                               | Pin No. Symbols                                                                       |       |
|                  | 1       |  | 1                                                                                     |       |
|                  | 2       |  | 2                                                                                     |       |
|                  | 3       |  | 3                                                                                     |       |
|                  | 4       |  | 4                                                                                     |       |
|                  | 5       |  | 5                                                                                     |       |
|                  | 6       |  | 6                                                                                     |       |
|                  | 7       |  | 7                                                                                     |       |
|                  | 8       |  | 8                                                                                     |       |
|                  | 9       | NC                                                                                    |  | 9 NC  |
|                  | 10      | NC                                                                                    |  | 10 NC |

\* 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

### TFT Characteristics :

- Resolutions : 1280x1024
- Brightness : 300cd/m<sup>2</sup> (typ.)
- Contrast Ratio : 800 : 1(typ.)
- Viewing Angles : -80~80(H);-80~80(V)
- Max Colors : 16.7M

### SBC Specifications :

- Processor : Intel Celeron M 1.0 GHz
- BIOS : Award 4Mbit Flash
- System Chipset : Intel 855GME + ICH4
- Memory Slot : 1 x SO-DIMM, Max 1GB DDR200/266/333
- Graphic Chipset : Intel 855GME Integrated (64MB shared )
- IDE : 1 x 44pin IDE (UDMA 33/66/100)
- KB/Mouse : 2 x PS/2
- Ethernet : 2 x RJ45(Gigabit LAN)
- Audio : Built in AC97 codec
- USB : 4 x USB2.0 ( 3 x USB internal)
- Serial : 4 x RS232 ( 3 x RS232 internal)
- Expansion Slot : 1 x Mini PCI ( internal)
- SSD Interface : 1 x Type I/II CF socket ( Internal)
- Power Input : DC-IN (Lockable, Power Jack)
- Certification : CE, FCC, RoHS

\* A customized housing is needed if you would like to have the PCI expansion.

### Power Specifications :

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 65W (typ.)(Max.backlight & high CPU load)

### Accessories :

- External Power Supply 90W w/power cord

### Environment Considerations :

- Operating Temperature : 0 deg.C to 45deg.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 Type-A Receptacle
- Power : 1 X 12VDC

### Order Options :

| SBC                                                             | PANEL PC                                                                      |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>RAM</b> : 512 MB DDR(Optional)<br>1 GB DDR(Optional)         | <b>Mechanical</b> : Stainless Chassis                                         |
| <b>Storage</b> : 2.5"80 GB HDD*<br>1 GB Compact Flash(Optional) | <b>Touch</b> : 5 Wires Resistive(Optional)                                    |
|                                                                 | <b>OS</b> : Windows XPE(Optional)<br>Windows XP (Optional)<br>Linux(Optional) |
| * Default                                                       |                                                                               |



| Rev. | Reasons        | Revised Date |
|------|----------------|--------------|
| 1.0  | New Add        | Dec-01-08    |
| 1.1  | Spec Change    | Dec-02-08    |
| 1.2  | Drawing Change | Dec-03-08    |

Note: All Specifications are subject to change without prior notice!

Revised Date:12/03/2008