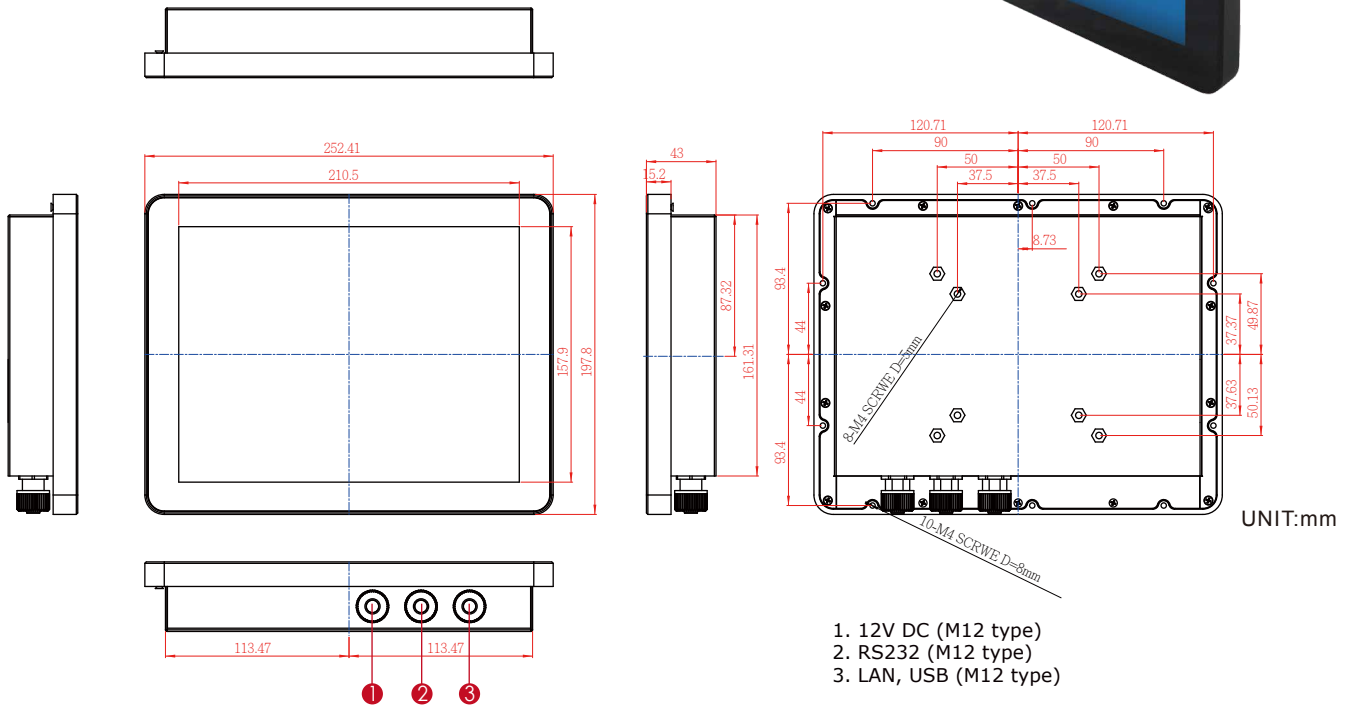


# 10.4" GS65 Panel PC

# R10FA3S-GST2

## Features

- 10.4" 1024 x 768 with P-CAP touchscreen
- Freescale Cortex A9 i.MX6 Dual Core 1GHz (Optional Quad Core)
- Fanless cooling system and Ultra-low power consumption
- Onboard LPDDR3 1GB
- Onboard 16GB eMMC Flash
- Full IP65
- 1 x LAN, 1 x RS232, 1 x USB, 1 x USB OTG, 1 x Console, 1 x Micro SD



## Specifications

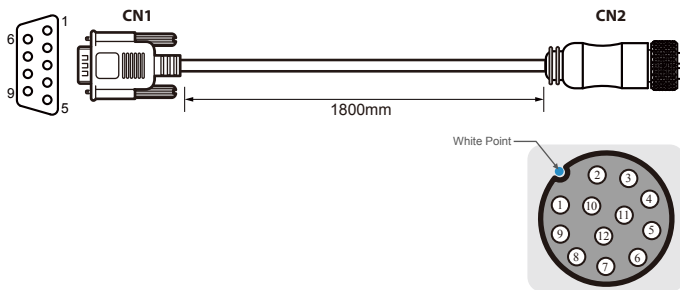
|   |  |  |  |
|---|--|--|--|
| <b>System</b> <ul style="list-style-type: none"> <li>• Processor : Freescale Cortex A9 i.MX6 Dual Core 1GHz (Optional Quad Core)</li> <li>• Memory : 1GB LPDDR3 (Optional 2GB)</li> <li>• Storage : Onboard 16GB eMMC Flash</li> </ul>  |  | <b>Display</b> <ul style="list-style-type: none"> <li>• Size/Type : 10.4" TFT (Widescreen)</li> <li>• Resolution : 1024x768</li> <li>• Brightness : 350 cd/m2 (typ.)</li> <li>• Contrast Ratio : 1000:1 (typ.)</li> <li>• Viewing Angle : -88~88(H); -88~88(V)</li> <li>• Max Colors : 16.2M</li> <li>• Active Display Area : 210.4 (H) x 157.8 (V)</li> <li>• Touch : Projective-Capacitive Touch with optional protection glass</li> </ul> |  |
| <b>Input / Output</b> <ul style="list-style-type: none"> <li>• COM port : 1 x RS232 (M12 type)(Optional 422/485)</li> <li>• USB Ports : 1 x USB 2.0 (M12 type), 1 x USB OTG (On side)</li> <li>• Ethernet : 1 x 10/100/1000 LAN (M12 type)</li> <li>• Console : 1 x Console port (Linux Use) (On Side)</li> <li>• SD Slot : 1 x Micro SD Card Slot</li> </ul> |  | <b>Power Considerations</b> <ul style="list-style-type: none"> <li>• Power Input : 12V DC (M12 type)</li> <li>• Power Consumption : 15W</li> </ul>   |  |
| <b>OS/BSP Driver Support</b> <ul style="list-style-type: none"> <li>• Operation System : Android 6.0 (Default)<br/>Linux Kernel 4.1.15, QT 5.5 Browser (Optional)<br/>Ubuntu 16.04 (Optional)</li> </ul>  |  | <b>Environment Considerations</b> <ul style="list-style-type: none"> <li>• Operating Temperature : -15 deg. C to 55 deg. C</li> <li>• Operating Humidity : 10% to 95% (non-condensing)</li> <li>• IP Rating : Full IP65</li> <li>• Shock Operating : 40g for 11ms</li> <li>• Vibration Operating : 1.48/1.98/2.24 g rms for XYZ/ 5-500Hz</li> </ul>  |  |
| <b>Mechanical Specifications</b> <ul style="list-style-type: none"> <li>• Cooling System : Fanless design</li> <li>• Mounting : VESA Mount (75x75mm), Panel Mount</li> <li>• Dimensions(W x H xD) : 252.61 x 198 x 36.4 (mm)</li> </ul>   |  | <b>Certifications &amp; Standards</b> <ul style="list-style-type: none"> <li>• Compliant with MIL-STD-810F/G for vibration / shock, CE, FCC</li> </ul>   |  |

# 10.4" GS65 Panel PC

# R10FA3S-GST2

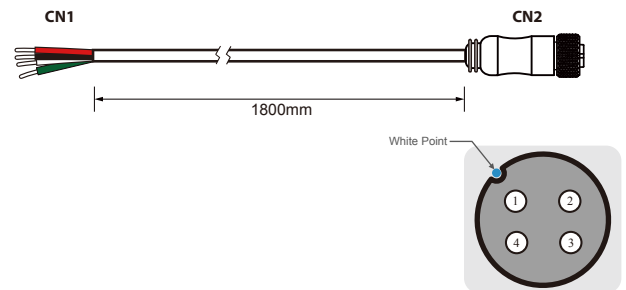
## Features

### RS-232 to M12 Cable



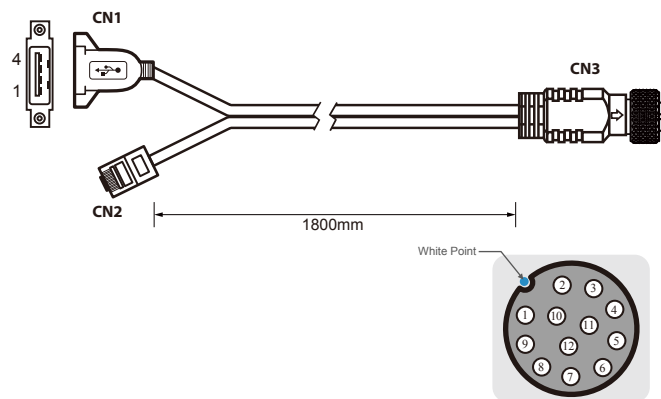
| Pin No. | Symbols | Color  |   | Pin No. | Symbols | Color  |
|---------|---------|--------|---|---------|---------|--------|
| CN1-1   | DCD     | Green  | ↔ | CN2-1   | DCD     | Green  |
| CN1-6   | DSR     | Brown  | ↔ | CN2-2   | DSR     | Brown  |
| CN1-2   | RXD     | Red    | ↔ | CN2-3   |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

### DC Power to M12 Cable



| Pin No. | Symbols | Color |   | Pin No. | Symbols | Color |
|---------|---------|-------|---|---------|---------|-------|
| CN1-1   | VIN+    | Red   | ↔ | CN2-1   | VIN+    | Red   |
| CN1-2   | VIN-    | Black | ↔ | CN2-2   | VIN-    | Black |
| CN1-3   | VIN-    | White | ↔ | CN2-3   | VIN-    | White |
| CN1-4   | IGN_IN  | Green | ↔ | CN2-4   | NC      | Green |

### USB 2.0 & GIGA LAN to M12 Cable



| Pin No. | Symbols      | Color |   | Pin No. | Symbols      | Color |
|---------|--------------|-------|---|---------|--------------|-------|
| CN3-1   | VCC          | RED   | ↔ | CN1-1   | VCC          | RED   |
| CN3-2   | D-           | WHITE | ↔ | CN1-2   | D-           | WHITE |
| CN3-3   | D+           | GREEN | ↔ | CN1-3   | D+           | GREEN |
| CN3-4   | GND          | BLACK | ↔ | CN1-4   | GND          | BLACK |
| CN3-5   | White/Orange |       | ↔ | CN2-1   | White/Orange |       |
| CN3-6   | Orange       |       | ↔ | CN2-2   | Orange       |       |
| CN3-7   | White/Green  |       | ↔ | CN2-3   | White/Green  |       |
| CN3-8   | Blue         |       | ↔ | CN2-4   | Blue         |       |
| CN3-9   | White/Blue   |       | ↔ | CN2-5   | White/Blue   |       |
| CN3-10  | Green        |       | ↔ | CN2-6   | Green        |       |
| CN3-11  | White/Brown  |       | ↔ | CN2-7   | White/Brown  |       |
| CN3-12  | Brown        |       | ↔ | CN2-8   | Brown        |       |

Twisted pairs (for CN1-1 to CN1-4)  
 Twisted pairs (for CN2-1 to CN2-4)  
 Twisted pairs (for CN2-5 to CN2-8)