

Stainless Panel PC

(Intel® ATOM N2600 Platform)

Stainless Flat Touch Panel PC

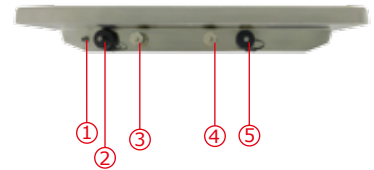
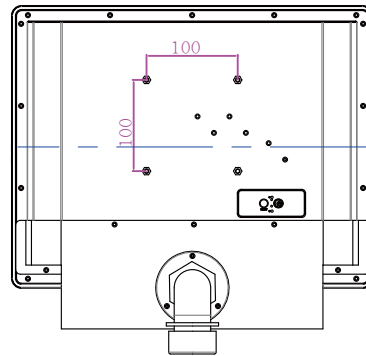
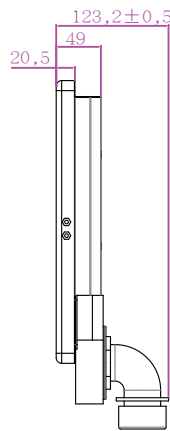
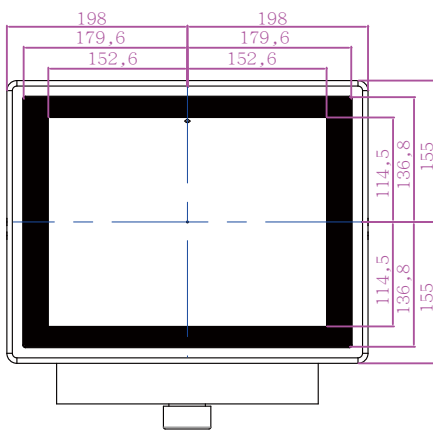
MODEL #: R15ID3S-65FTE-Ex

Mechanical Design



Features

- This Equipment is zone 2 certified for Hazardous area applications
- Wide power input 9-36V DC with isolation protection
- Special connectors with cover plate
- Designed with NEMA 4 (IP65) dust proof and water protection
- Robust and fanless design for reliable operation
- Fanless Cooling System and Ultra Low power consumption
- Support Intel Atom N2600 processor
- ELO 5W Resistive Touch (Explosion-proof)



1. Ground
2. Power (9~36V DC input)
3. LAN
4. RS232
5. 2 x USB

System Specifications

* 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.

TFT Characteristics :

- Resolutions : 1024 x 768
- Brightness : 600 cd/m² (typ.)
- Contrast Ratio : 700 : 1(typ.)
- Viewing Angles : -80~80(H);-60~80(V)
- Max Colors : 16.2M

Accessories :

- 1 x M21 to DC cable
- 1 x M12 to RJ45 cable
- 1 x M12 to RS232 cable
- 1 x M21 to 2 x USB cable
- 1 x M21 to AC External Power adapter / Power cord

Mechanical Specification :

- Cooling System : Fanless design
- Dimension(W x H x D) : 396 x 310 x 49(mm)

Power Specifications :

- Power Input : 9-36V DC IN
- Power Consumption : 25W (typ.)(Max.backlight & high CPU load)

System Specifications :

- Processor : Intel® Atom N2600 1.6GHz
- BIOS : AMI 16Mbit Flash
- System Chipset : Intel® NM10
- Memory Slot : 1x DDR3 SO-DIMM 1333 MHz, 2GB default
- Storage : Default 32GB

Environment Considerations :

- Operating Temperature : 0°C ~40°C
-20°C ~60°C (Tested Temperature)
- Operating Humidity : 30% to 90% (non condensing)

Standards and Certifications

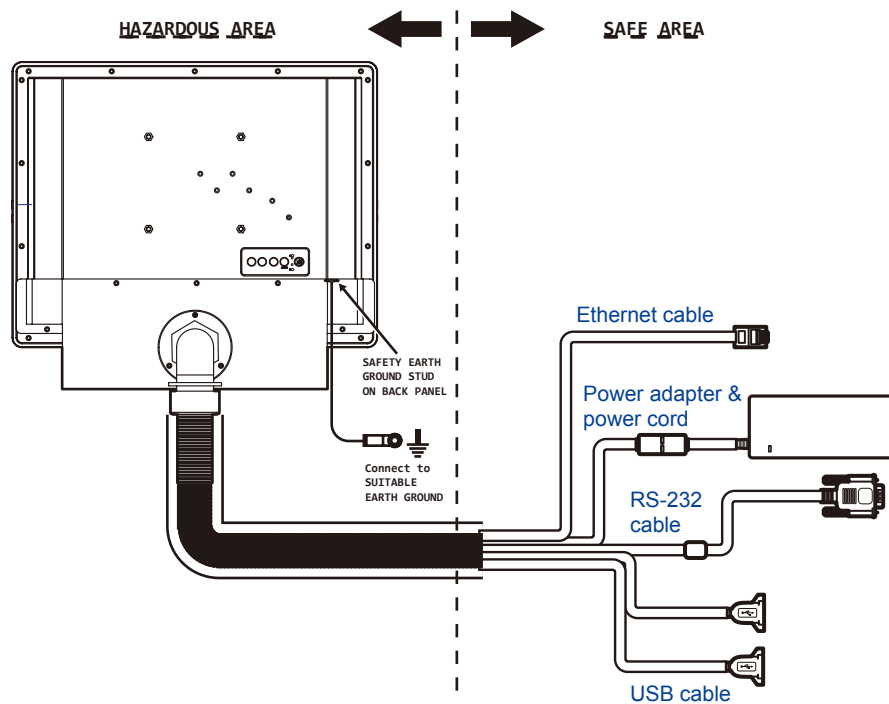
- Hazardous Location : ATEX zone 2
EX II 3G Ex nA ic IIC T4
- EMI : EN55022:2010 (classB) & FCC part15 B
- EMS : EN55024:2010
- Shock : MIL-STD-810G Method 516.6
- Drop : MIL-STD-810G Method 516.6
- Vibration : MIL-STD-810G Method 514.6

Input/ Output Connectors :

- Ethernet LAN : 1 x RJ45-10/100/1000 Mbps
- COM : 1 x RS232(Optional RS422/RS485)
- USB : 2 x USB Type-A Receptacle
- Power : 1 x 9-36VDC

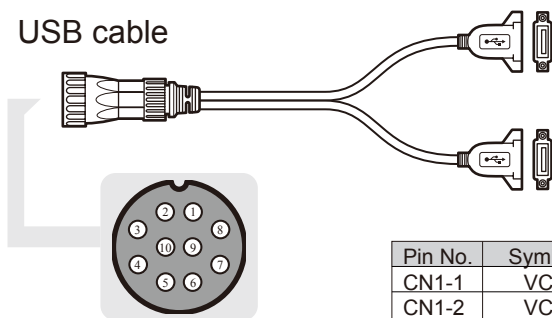
* with special L tube pipe

SBC	PANEL PC
RAM : SO DIMM DDR3 2GB /4GB	Mechanical : Stainless Chassis
	Touch : ELO 5 Wires Resistive
	OS : Windows 7 embedded Windows 7 Pro embedded



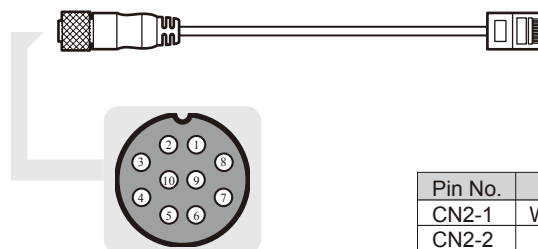
Connector Pin Assignments

USB cable



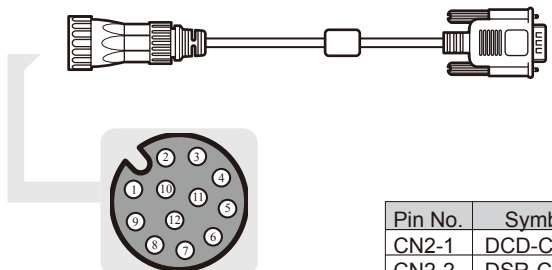
Pin No.	Symbols	Color
CN1-1	VCC	RED
CN1-2	VCC	RED
CN1-3	D-	WHITE
CN1-4	D-	WHITE
CN1-5	D+	GREEN
CN1-6	D+	GREEN
CN1-7	GND	BLACK
CN1-8	GND	BLACK
CN1-9	Braid	

Ethernet (LAN) cable



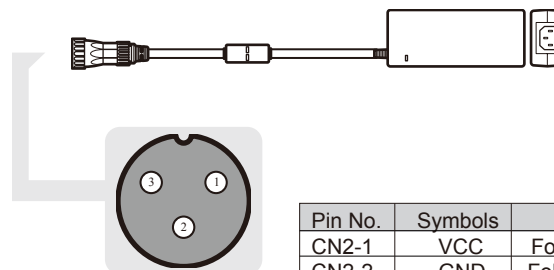
Pin No.	Color
CN2-1	White/Orange
CN2-2	Orange
CN2-3	White/Green
CN2-4	Blue
CN2-5	White/Blue
CN2-6	Green
CN2-7	White/Brown
CN2-8	Brown

RS-232 cable



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

Power adapter



Pin No.	Symbols	Color
CN2-1	VCC	Follow Adapter
CN2-2	GND	Follow Adapter
CN2-3	GND	Follow Adapter

WARNING



Ensure that the external power source is OFF before connecting or disconnecting the DC IN jack.