

# Stainless Panel PC

(Intel® Celeron N2930 Platform)

Stainless Flat Touch Panel PC

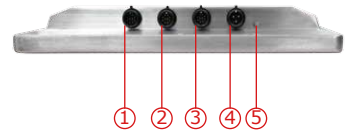
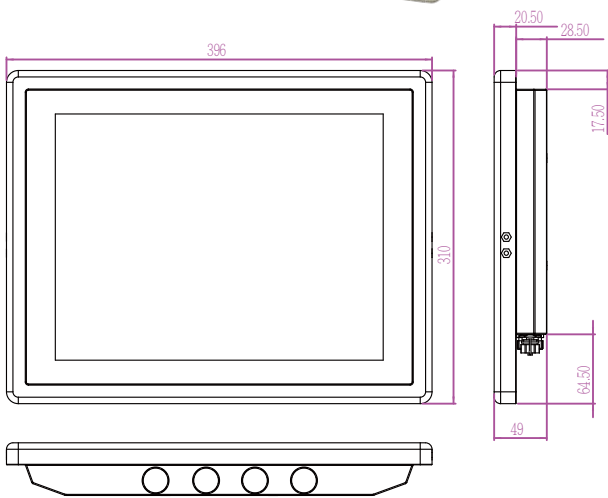
MODEL #: R15IB3S-65A1FTP

Mechanical Design



## Features

- NEMA 4 IP65 compliant
- Robust and fanless design for reliable operation
- Fanless Colling System and Ultra Low power consumption
- Support Intel Celeron N2930 Processor
- Stainless Housing suitable for food, and medical industries
- Special Flat Touch Design easy to maintain
- Projective Capacitive Touch (R15IB3S-65A1FTP)



1. 2 X USB
2. RS232
3. LAN
4. Power (12V DC in)
5. Ground

\* 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 : 1024 x 768
- Brightness : 400 cd/m<sup>2</sup> (typ.)
- Contrast Ratio : 700 : 1(typ.)
- Viewing Angles : -80~80(H);-60~80(V)
- Max Colors : 16.2M

### Accessories :

- External Power Supply 90W w/power cord

### Mechanical Specification :

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

### System Specifications :

- Processor : Intel® Celeron N2930 1.83GHz
- BIOS : AMI 16Mbit Flash
- System Chipset : Intel® Atom SoC integrated
- Memory Slot : 1x DDR3L SO-DIMM 1066/1333 MHz, Default 4GB, Max 8GB
- Storage : Default 64GB
- Audio : Realtek ALC886 HD Audio Codec
- SATA : 1 x SATA II
- Expansion Slot : 1 x Mini PCIe (for SATA SSD) ; 1 x Mini PCIe (For wireless Module)
- Certification : CE, FCC, RoHS

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

### Environment Considerations :

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

### 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 12VDC

### Order Options :

SBC	PANEL PC
RAM : SO DIMM DDR3 2GB /4GB /8GB	<u>Mechanical</u> : Stainless Chassis
Storage : 2.5" HDD/SSD	<u>Touch</u> : Projective Capacitive Touch
	<u>OS</u> : Windows 7 embedded (Optional) Windows 8 embedded (Optional) Windows 10 embedded (Optional)

### Power Specifications :

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 25W (typ.)(Max.backlight & high CPU load)



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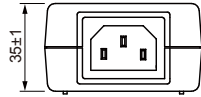
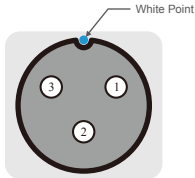
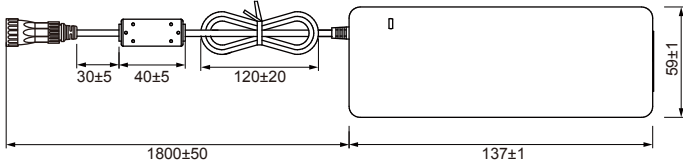
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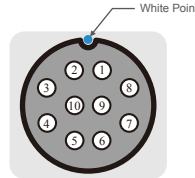
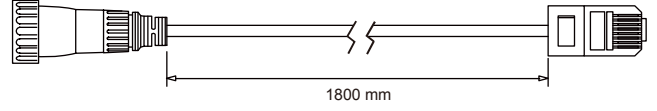
## Pin Assignment of cables

### Power Cable



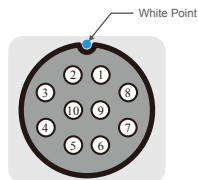
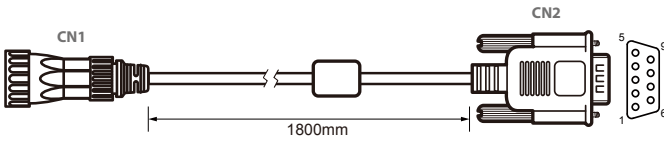
Pin No.	Symbols	Color
CN1-3	GND	Black
CN1-2	shield	
CN1-1	VCC	White

### LAN Cable



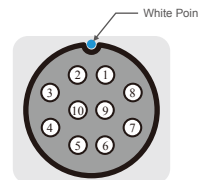
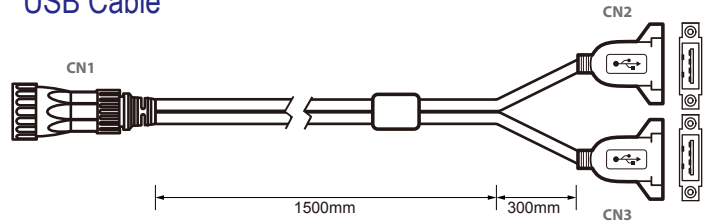
Pin No.	Symbols	Color
CN1-1		white/orange
CN1-2		orange
CN1-3		white/green
CN1-4		blue
CN1-5		white/blue
CN1-6		green
CN1-7		white/brown
CN1-8		brown
CN1-9	NC	
CN1-10	NC	

### Serial Cable



Pin No.	Symbols	Color		Pin No.	Symbols	Color
CN1-1	DCD-CON2	Green	↔	CN2-1	DCD-CON2	Green
CN1-2	DSR-CON2	Brown	↔	CN2-6	DSR-CON2	Brown
CN1-3	RXD-CON2	Red	↔	CN2-2	RXD-CON2	Red
CN1-4	RTS-CON2	Orange	↔	CN2-7	RTS-CON2	Orange
CN1-5	TXD-CON2	Blue	↔	CN2-3	TXD-CON2	Blue
CN1-6	CTS-CON2	White	↔	CN2-8	CTS-CON2	White
CN1-7	DTR-CON2	Purple	↔	CN2-4	DTR-CON2	Purple
CN1-8	RI-CON2	Yellow	↔	CN2-9	RI-CON2	Yellow
CN1-9	GND-CON2	Black	↔	CN2-5	GND-CON2	Black
CN1-10	NC		↔	CN2-10	NC	

### USB Cable



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

twisted pair      twisted pair



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