

Stainless Panel PC

(Intel® Celeron N2930 Platform)

Stainless Flat Touch Panel PC

MODEL #: R15IB3S-65A1FTP

Mechanical Design

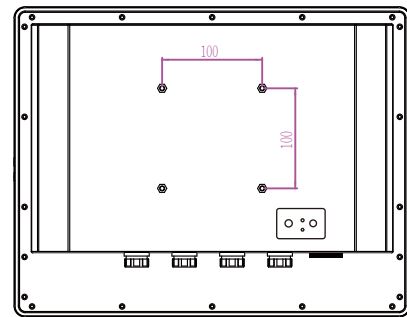
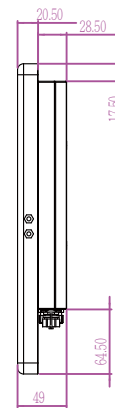
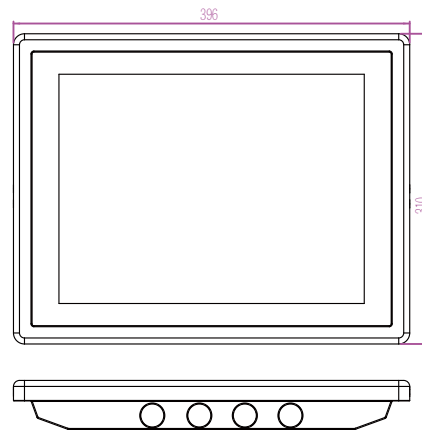


Features

- NEMA 4 IP65 compliant
- Robust and fanless design for reliable operation
- Fanless Colling System and Ultra Low power consumption
- Support Intel Celeron N2930 Processor
- SUS 316/ AISI 316 stainless steel for food and chemical industries
- Special Flat Touch Design easy to maintain
- Projective Capacitive Touch (R15IB3S-65A1FTP)



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

TFT Characteristics :

- Resolutions : 1024 x 768
- Brightness : 500 nit
- Contrast Ratio : 2500:1 (typ.)
- Viewing Angles : -88~88(H); -88~88(V)
- Max Colors : 16.2M

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 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.

Power Specifications :

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

Security Support

- Trusted Platform Module (TPM 2.0)
Windows 10 operating system requires installing a new version of BIOS and OS image.
Windows 7 does not support TPM 2.0 function.

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)
- Housing : SUS 316/ AISI 316 stainless steel

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	Mechanical : Stainless Chassis
Storage : 2.5" HDD/SSD	Touch : Projective Capacitive Touch
	OS : Windows 7 embedded (Optional) Windows 8 embedded (Optional) Windows 10 embedded (Optional)

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

Revised Date:27-Apr-2020 V1.5



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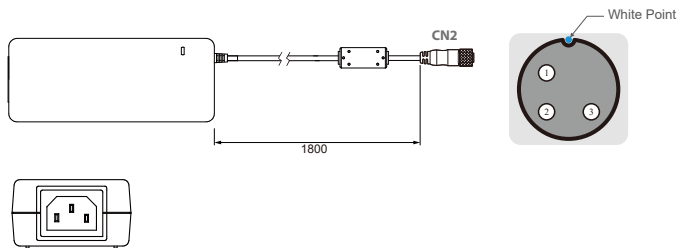
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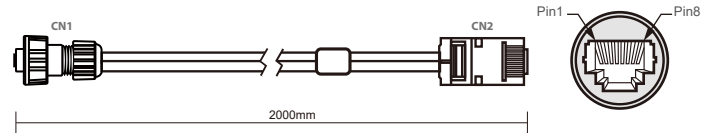
Pin Assignment of cables

Power Cable



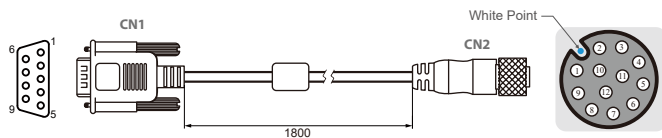
Pin No.	Symbols	Color		Pin No.	Symbols	Color
CN1-1	VIN -	NO ASSIGN	↔	CN2-1	VCC+	Flow Adapter
CN1-2	VIN -	NO ASSIGN	↔	CN2-2	GND	Flow Adapter
CN1-3	VIN -	NO ASSIGN	↔	CN2-3	VCC -	Flow Adapter

LAN Cable



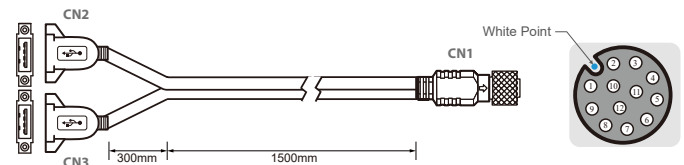
Plug	Wire Color	Conn.	
1	Orange / White	1	Twist
2	Orange	2	
3	Green / White	3	
4	Blue	4	Twist
5	Blue / White	5	
6	Green	6	Twist
7	Brown / White	7	
8	Brown	8	

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		