

23.8" Fanless Full IP65 Resistive Touch Panel PC (Intel® Celeron Bay Trail-M N2930 1.83GHz)

MODEL #: W24IB3S-65A2

Mechanical Design



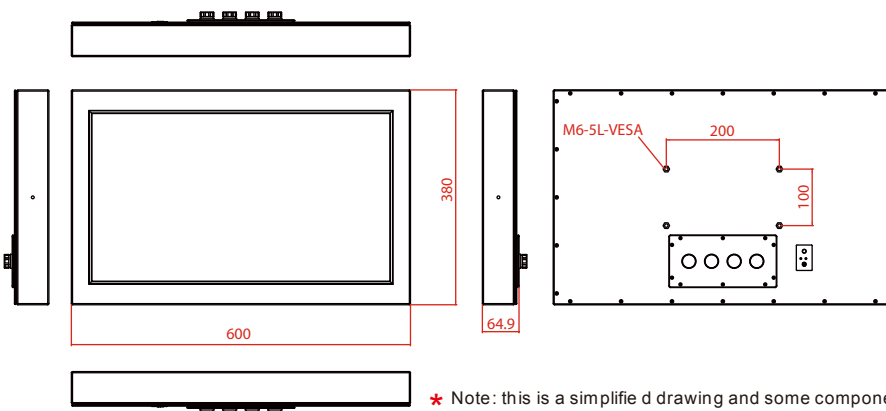
Features:

- Intel® Celeron Bay Trail-M N2930 1.83GHz (burst up to 2.16GHz) Processor
- Fanless Design
- Full IP65 dust/water resistant
- Stainless Housing with Anti-Corrosion Treatment
- Optical Bonding with Anti-moisture Treatment (Optional)
- Anti-Reflection Protection Glass (Optional)

IP65 connector / cable



2 x USB LAN COM2 Power



System Specifications

TFT Characteristics

- Size : 23.8 inch
- Resolutions : 1920 x 1080
- Brightness : 250 cd/m² (typ.)
- Contrast Ratio : 3000 : 1 (typ.)
- Aspect Ratio : 16:9
- Max Colors : 16.7M
- Viewing Angles : -89~89(H); -89~89(V)

SBC Specifications :

- Processor : Intel® Celeron Bay Trail-M N2930 1.83GHz (burst up to 2.16GHz)
- BIOS : AMI 16Mbit Flash
- System Chipset : Intel® Atom SoC Integrate
- Memory Slot : 1 x SO-DIMM, Default 4GB, Max 8GB DDR3L 1600
- Storage : Default 64GB
- Graphic Chipset : Integrated HD Graphics
- WLAN : Optional for 802.11a/b/g/n
- Ethernet : 2 x RJ45 Gigabit LAN (1 x RJ45 internal)
- Audio : Built in ALC886 HD Audio Codec
- Serial : 4 x RS232 (3 x RS232 internal)
- Expansion Slot : 1 x Mini PCIe (Internal)
- SSD Interface : 1 x Mini PCIe SSD
- Power Input : DC-IN (Lockable, Power Jack)
- Certification : CE, FCC, RoHS
- Security : Trusted Platform Module (TPM 1.2)

* A customized housing is needed if you would like to have more I/O connectors.

Power Specifications :

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 110/220V AC Input

Environment Considerations :

- Operating Temperature : 0 deg.C to 50 deg.C
- Operating Humidity : 30% to 90% (non condensing)
- IP Rating : Full IP65 Protection
- Mounting : VESA, Yoke Mounting

Input/ Output Connectors :

- Ethernet LAN : 1 X RJ45-10/100/1000 Mbps
- COM : 1 X RS232
- USB : 2 x USB 2.0 , 1 x USB 3.0
- Power : 1 X 12VDC

Accessories :

- External Power Adapter 80W w/power cord
- LAN Cable
- Serial Cable
- USB Cable
- VESA screws

Order Options :

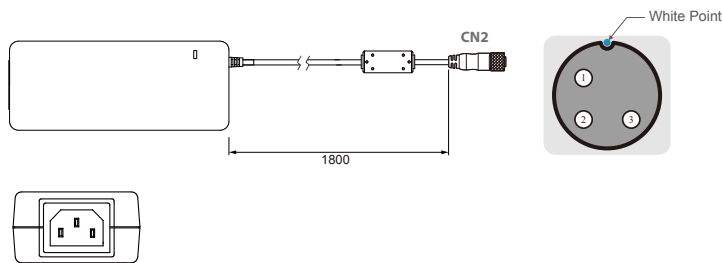
SBC	PANEL PC
RAM : SODIMM DDR3L Max. 8GB Storage : 2.5" HDD/ Mini Pcle SSD	Mechanical : Stainless Chassis OS : Windows 10 IoT Enterprise Windows Embedded 8.1 Industry Pro Windows Embedded 8 Standard Windows Embedded 7 Standard

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Pin Assignment of cables

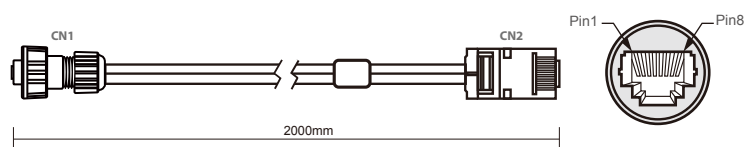
Power Cable



Pin No.	Symbols	Color
CN1-1	VIN -	NO ASSIGN
CN1-2	VIN -	NO ASSIGN
CN1-3	VIN -	NO ASSIGN

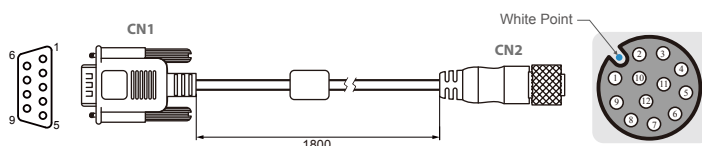
Pin No.	Symbols	Color
CN2-1	VCC+	Flow Adapter
CN2-2	GND	Flow Adapter
CN2-3	VCC -	Flow Adapter

LAN Cable



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

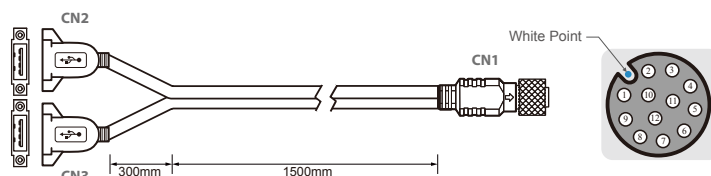
RS232 Cable



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

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

USB Cable



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

Pin No.	Symbols	Color
CN2-1	VCC	RED
CN2-2	D-	WHITE
CN2-3	D+	GREEN
CN2-4	GND	BLACK
CN3-1	VCC	RED
CN3-2	D-	WHITE
CN3-3	D+	GREEN
CN3-4	GND	BLACK