15" Flat Stainless P-Cap IP65 Panel PC (Intel® 5th Generation Core™ i5 Platform)

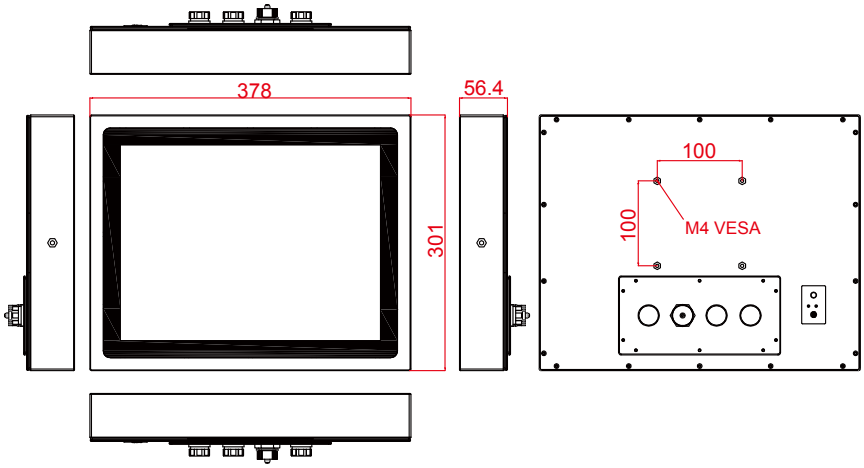
Flat Stainless P-Cap Chassis — MODEL #: R15IH3S-SPC3

Features:

- Intel® Core™ i5-5200U Broadwell 2.2GHz (turbo to 2.7GHz)
- Stainless housing, built to withstand the most demanding industries
- Sealed to IP65 for protection against water and dust
- A true flat, easy-to-clean front surface with edge-to-edge design
- Flat multi-touch panel pc with superior readability and P-Cap technology
- Various mounting solutions, Yoke mount and VESA mount
- Plenty of I/O s including USB 2.0, RS232 serial port and RJ45-10/100/1000 LAN ports
- Waterproof ports with adapter cables for external connectivity
- Support Glove / Rain mode (on going)

IP65 connector / cable

2 x USB2.0 LAN COM2 Power



* Note: this is a sim plifie d drawing and some components are not marked in detail. Please contact our sales representative if you need further product in formation.

System Specifications

TFT Characteristics :

• Resolutions	:	1024 x 768
• Brightness	:	250 cd/m² (typ.)
• Contrast Ratio	:	700 : 1 (typ.)
• Viewing Angles	:	-80~80(H);-70~70(V)
• Max Colors	:	16.2M

SBC Specifications :

• Processor	: Intel® Core™ i5-5200U Broadwell 2.2GHz (turbo to 2.7GHz)
• BIOS	: AMI UEFI BIOS
• System Memory	: 1 x DDR3L 1600MHz 4GB (Default) Max 16GB
• Graphic Chipset	: Integrated Graphic
• Ethernet	: 1000 Base-Tx Gigabit Ethernet Compatible
• USB	: 2 x USB 2.0
• Serial	: 1 x RS232
• SSD Interface	: 1 x Mini PCIe SSD Default 64GB, Max 256GB
• Power Input	: DC-IN

* 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	:	52W (typ.)(Max.backlight & high CPU load)

Environment Considerations :

• Operating Temperature	:	0 deg.C to 45deg.C
• Operating Humidity	:	30% to 90% (non condensing)

Input/ Output Connectors :

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

Accessories :

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

Order Options :

SBC	PANEL PC
RAM : SODIMM DDR3L 2GB/4GB/8GB/16GB Storage : 2.5" HDD/Mini PCIe SSD	OS : Windows 10 IoT Enterprise Windows Embedded 8.1 Industry Pro Windows Embedded 8 Standard Windows Embedded 7 Standard

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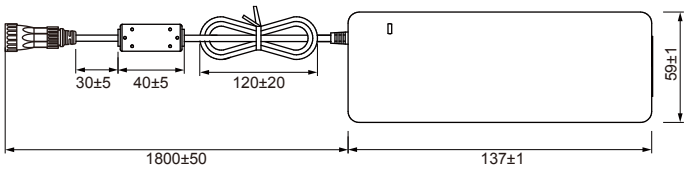
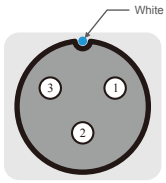
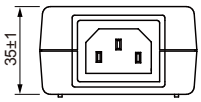
Pin Assignment of cables

Power Cable

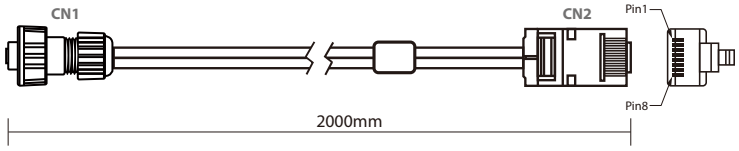


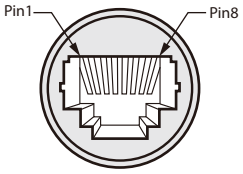




Pin No.	Symbols	Color
CN1-3	GND	Black
CN1-2	shield	
CN1-1	VCC	White

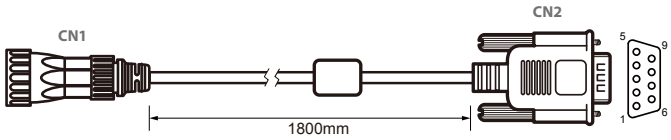
LAN Cable

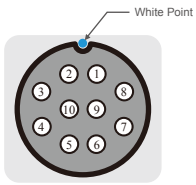




Plug	Wire Color	Conn.	
1	Orange / White	1	Twist
2	Orange	2	
3	Green / White	3	Twist
4	Blue	4	
5	Blue / White	5	Twist
6	Green	6	
7	Brown / White	7	Twist
8	Brown	8	

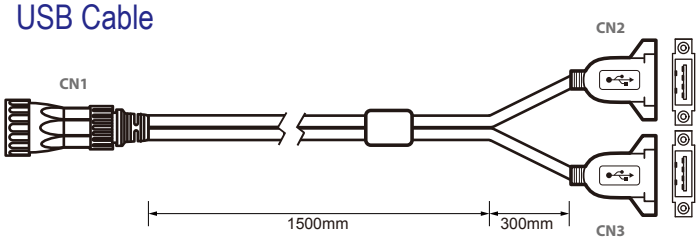
Serial Cable

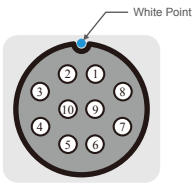




Pin No.	Symbols	Color		Pin No.	Symbols	Color
CN1-1	DCD-CON2	Green	⟷	CN2-1	DCD-CON2	Green
CN1-2	DSR-CON2	Brown	⟷	CN2-6	DSR-CON2	Brown
CN1-3	RXD-CON2	Red	⟷	CN2-2	RXD-CON2	Red
CN1-4	RTS-CON2	Orange	⟷	CN2-7	RTS-CON2	Orange
CN1-5	TXD-CON2	Blue	⟷	CN2-3	TXD-CON2	Blue
CN1-6	CTS-CON2	White	⟷	CN2-8	CTS-CON2	White
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