

19" Flat Stainless P-Cap IP69K Panel PC (Intel® 7th Generation Core™ i5 Platform)

Flat Stainless P-Cap Chassis

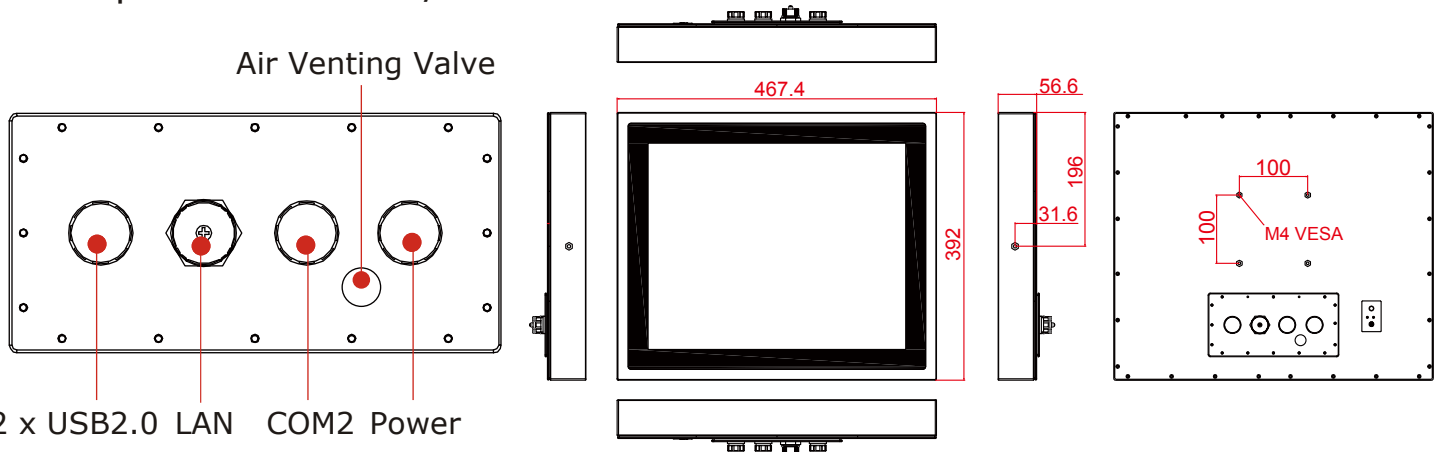
MODEL #: R19IK3S-SPM169



Features:

- 19", 1280 x 1024 -cap touch with flat design
- 7th Generation (kaby Lake) Intel® Core™ i5-7200U 2.5GHz (turbo to 3.1GHz)
- SUS304 stainless steel for food and chemical industries
- Full IP69K waterproof enclosure, good corrosion resistance
- A true flat, easy-to-clean front surface with edge-to-edge design
- Plenty of I/Os, including USB 2.0, RS232 and RJ45-10/100/1000 LAN
- Waterproof ports with adapter cables for external connectivity
- Supports VESA mount
- Supports Glove/ Rain mode (Optional)

Waterproof connector / cable



* 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	
Resolution	: 1280 x 1024
Brightness	: 250 cd/m ² (typ.)
Contrast Ratio	: 1000 : 1 (typ.)
Viewing Angles	: -85~85(H); -80~80(V)
Max Colors	: 16.7M
Touchscreen	: P-cap (Default), Glass (Optional)

Power Specifications :	
Power Input	: 12V DC IN (Lockable Power Jack)
Power Consumption	: 56W (typ.)(Max.backlight & high CPU load)

Environment Considerations	
Operating Temperature	: 0 deg.C to 45 deg.C
Operating Humidity	: 30% to 90% (non condensing)
IP Rating	: IP69K, air venting valve

SBC Specifications :	
Processor	: Intel® Core i5-7200U 2.5GHZ (turbo to 3.1GHz)
BIOS	: Insyde BIOS
System Chipset	: Intel® SoC Integrated
System Memory	: 4GB DDR4-2133 SO-DIMM (Max 16GB)
Graphic Chipset	: Intel® HD Graphics 620
LAN	: Intel® Gigabit-LAN Controller I211AT + PHY I219LM
Storage	: 64GB M.2 B Key SATA III SSD (Options up to 256GB)
USB	: 2 x USB 2.0
Serial	: 1 x RS232
Power Input	: DC-IN
Audio	: Realtek ALC283 HD Audio Codec

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

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 :	
<ul style="list-style-type: none"> • External Power Supply 80W w/power cord • LAN Cable • Serial Cable • USB Cable • VESA screws 	

Order Options :	
SBC	PANEL PC
RAM : SODIMM DDR4 2GB/4GB/8GB/16GB	OS : Windows 10 IoT Enterprise
Storage : 64GB M.2 B Key SATA III SSD (Options up to 256GB)	



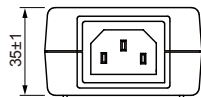
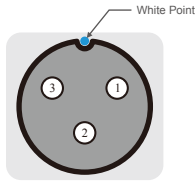
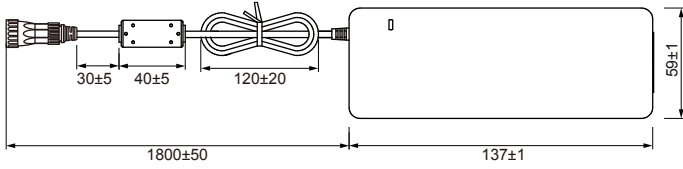
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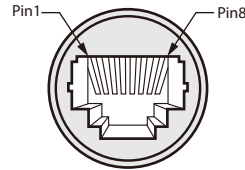
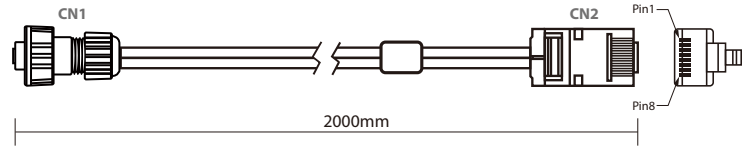
Pin Assignment of Cables

Power Cable



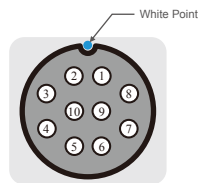
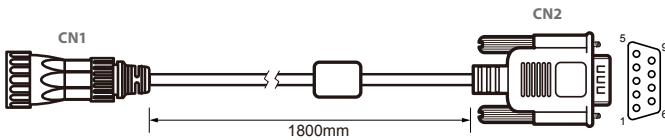
Pin No.	Symbols	Color
CN1-3	GND	Black
CN1-2	shield	
CN1-1	VCC	White

LAN Cable



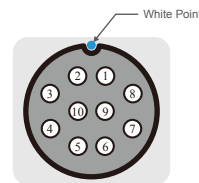
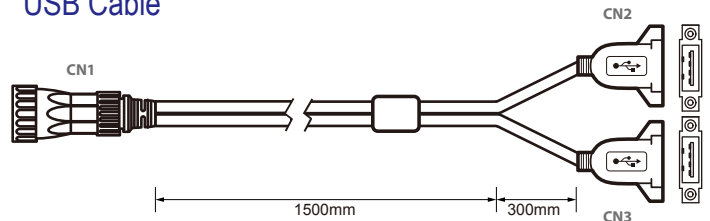
Plug	Wire Color	Conn.	
1	Orange / White	1	Twist
2	Orange	2	
3	Green / White	3	Twist
4	Blue	4	
5	Blue / White	5	Twist
6	Green	6	
7	Brown / White	7	Twist
8	Brown	8	

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