

# SPPCC-2150

## 21.5" Stainless Steel Chassis Touch Panel PC



## Features

- / Intel® Apollo Lake SoC with Integrated Chipset.
- / Projective Capacitive Touchscreen Full Flat Design.
- / Waterproof Power Button.
- / Rich and swappable I/O, 1 x LAN, 2 x USB, 1 x COM by M12 8-pin(male) with waterproof cover and chain.
- / Full System IP65 & IPX9K.
- / Metal Waterproof Connectors.
- / Wide Range DC in +12V ~ +24V.
- / Wide Temperature -10°C ~ 45°C.
- / Full System IP66, IP69K.
- / Multiple OS support (Win10, Linux).
- / Optional WiFi/BT with waterproof antenna.
- / Optional Auto Dimming/ High Brightness Solution.

# Specification

Model Name	SPPC-2150		
<b>System Information</b>	Processor	Intel® Celeron® Processor J3455	
	Platform Controller	Intel Apollo Lake SoC integrated	
	System Memory	2 x 204-pin DDR3L 1600MT/s SO-DIMM up to 16 GB	
	IO Chipset	EC ITE IT8528E	
	Watchdog Timer	H/W Reset, 1sec. ~ 65535sec./1sec.step	
	H/W Status Monitor	Monitoring SYSTEM Temperature and Voltage with Auto Throttling Control	
	TPM	Option for Infineon SLB9665 TPM 2.0	
	SBC	EMX-APLP	
	<b>Expansion</b>	1 x M.2 (2230) A-Key support Wifi module	
	<b>Storage</b>	Storage	Default with 64GB mSATA
Other Storage Device		1 x 2.5" Drive Bay for SSD/HDD(Project base)	
<b>Display and Touch</b>	LCD Size	21.5", 16:9	
	Display Grade	Full HD	
	Resolution	1920x1080	
	Pixel Pitch	247.95 x 247.95	
	Brightness	250 cd/m <sup>2</sup>	
	Contrast Ratio	1000	
	Viewing Angle	89 (U), 89 (D), 89(L), 89 (R)	
	Response Time	22ms	
	Backlight	LED	
	Touch Type	Projective Capacitive	
<b>I/O</b>	Touch Light Transmission	Projective Capacitive	
	Touch Light Transmission	85%	
	Touch Controller	EETI 80H84	
	USB Port	2 x M12 8-pin (male) for 2 x USB 2.0 with waterproof cover and chain	
	COM Port	1 x M12 8-pin (male) COM(RS-232/422/485) with waterproof cover and chain	
	SATA	1 x SATA III	
	Other	1 x Wifi with waterproof antenna (Optional)	
	Graphic Chipset	Intel® HD Graphics 500	
	Spec. & Resolution	LVDS: Max. resolution 1920x1080 @ 60Hz eDP: Max. resolution 4096x2160 @ 60Hz	
	<b>Audio</b>	Audio Codec	Realtek ALC662 supports 2-CH
<b>Compliance</b>	Certifications	CE FCC Class A	
	LAN Chipset	2 x Intel I211AT Gigabit Ethernet	
<b>Ethernet</b>	Ethernet Interface	10/100/1000 Base-Tx GbE compatible	
	LAN Port	1 x M12 8-pin (male) for LAN with waterproof cover and chain	
<b>Power</b>	DC Input	+12V ~ +24V	
	DC Input Connector	1 x M12 3-pin (male) for DC power with waterproof cover and chain	
	PSU/Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (24V @ 2.5A Adapter) AC-DC Adapter (Need waterproof M12/3Pin- D2.5DC Jack-Plug 200cm cable for M12 DC in connector)	
	Operating Temperature	-10°C ~ 45°C (14°F ~ 113°F), by flow = 0.5	
<b>Mechanical &amp; Environmental</b>	Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)	
	Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing	
	Weight	9.4 Kgs	
	Vibration Test	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis	
	Shock Test	With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms	
	IP Rating	Whole System IP65 & IPX9K	
	Mounting Kit	Wall / Stand / VESA , 100mm x 100mm	
	Power Mode	AT/ATX (ATX is default setting)	
	Thermal	Fanless	
	Housing - Front	Silver Stainless	
Housing - Rear	Silver Stainless		
Dimension	562 x 365.8 x 49 mm		
<b>OS Support</b>	Win10/ Linux		

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