



## SPC-1533-B1

15" Apollo Lake SoC Mobile Processor Fanless  
Stainless Steel Chassis Touch Panel PC with Full  
IP-66 & IP-69K

- > 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
- > IP66 Air pressure relief valve
- > Metal Waterproof Connectors
- > Wide Range DC in +12V ~ +24V
- > Wide Temperature -10°C ~ 50°C
- > Full System IP66, IP69K
- > Multiple OS support (Win10, Linux, Android)
- > Optional WiFi/BT with waterproof antenna
- > Optional Auto Dimming/ High Brightness Solution

### + Spec

-System Information-	
Processor	Intel® Celeron® Processor J3455
Platform Controller Hub	Intel Apollo Lake SoC integrated
System Memory	2 x 204-pin DDR3L 1600MTs SO-DIMM up to 16 GB
I/O 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
Expansion	
Expansion	1 x M.2 (2230) A-Key support WiFi module
Storage	
Storage	Default with 64GB mSATA
Other Storage Device	1 x 2.5" Drive Bay for SSD/HDD(by option)
Panel	
LCD Size	15", 4:3
Display Type	XGA
Resolution	1024x768
Pixel pitch	0.297mm(H) x 0.297mm(V)
Luminance	300 cd/m <sup>2</sup>
Contrast ratio	2000
Viewing angle	88 (U), 88 (D), 88(L), 88 (R)
Response time	16ms
Backlight	LED
Touch Type	Projective Capacitive
Touch Light Transmission	85%
Touch Controller	ILITEK COF Touch
I/O	
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)
Display	
Graphic Chipset	Intel® HD Graphics 500
Spec. & Resolution	LVDS: Max. resolution 1920x1080 @ 60Hz eDP: Max. resolution 4096x2160 @ 60Hz
Audio	
Audio Codec	Realtek ALC662 supports 2-CH
Certifications	
Certification Information	CE FCC Class A
Ethernet	
LAN Chipset	2 x Intel I211AT Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	1 x M12 8-pin (male) for LAN with waterproof cover and chain
Power Requirement	
DC Input	+12V ~ +24V
DC Input Connector	1 x M12 3-pin (male) for DC power with waterproof cover and chain



<b>Adapter</b>	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (24V @ 2.5A Adapter) AC-DC Adapter (Need waterproof M12/3Pin- D2.5DCJack-Plug 200cm cable for M12 DC in connector)
<b>Mechanical &amp; Environmental</b>	
<b>Operating Temperature</b>	-10°C ~ 50°C (14°F ~ 122°F), by flow = 0.5
<b>Storage Temperature</b>	-20°C ~ 60°C (-4°F ~ 140°F)
<b>Operating Humidity</b>	40°C @ 95% Relative Humidity, Non-condensing
<b>Weight</b>	5.7 Kgs
<b>Vibration Test</b>	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis
<b>Shock Test</b>	With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms
<b>IP Rating</b>	Whole System IP69K, IP66
<b>Mounting Kit</b>	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm
<b>Power Mode</b>	AT/ATX (ATX is default setting)
<b>System Fan</b>	Fanless
<b>Construction - Front</b>	Silver Stainless
<b>Construction - Rear</b>	Silver Stainless
<b>Dimension</b>	393 x 315.8 x 49 mm
<b>Software Support</b>	
<b>OS Information</b>	Win10 Linux Android x86 8.1
<b>Ordering Information</b>	
<b>Ordering Information</b>	SPC-1533-345-B1R 15" 1024 x 768 Full IP-66 Stainless Steel panel PC/PCap/IP-69K/ (F1 Stepping CPU) intel J3455/4GR/64GmSATA/5M12(LAN/2x2USB/COM/DCin)/VentValve/EMX-APLP/without Adapter  ACC-ARM-D1R VESA STAND, 75mm & 100 mm  ACC-ARM-D23R VESA STAND, 75mm & 100 mm  ACC-ADP-060N-09R AC/DC adapter 24V/2.5A 90 Plug Type *(Suggest DC Jack to M12 cable "E170W050030R (Waterproof M12 DC Cable)" when adapter needed)  E170W050030R Waterproof M12 DC Cable  E170W160030R Waterproof M12 USB Cable  E170W160040R Waterproof M12 Lan Cable  E170W170010R Waterproof M12 COM Cable  E1702031833R USA Power Cord  E1702031000R EU Power Cord  E1702031834R Japan Power Cord  E1702031830R UK Power Cord  E1702031831R Australia Power Cord