SPC-1533-B1

15" Intel® Celeron® Processor J3455 Fanless Stainless Steel Chassis Touch Panel PC with Full IP-66 & IP-69K

Features

- Intel® Celeron® Processor J3455
- 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

+12V ~ +24V	PCAP multi-touch	Fanless	Wide Temp. -10°C ~ 50°C	Full IP66/ IP69K

Specifications

System Information

Processor	Intel® Celeron® Processor J3455, 2M Cache, up to 2.30 GHz
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
SBC	EMX-APLP
CPU Cooler (Type)	Fanless heatsink
Other	1 x WiFi with waterproof antenna (optional)

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)

Display

Graphic Chipset	Intel® HD graphics 500
Spec. & Resolution	LVDS: Max. Resolution 1920x1080 @ 60Hz eDP: Max. Resolution 4096x2160 @ 60Hz

Audio

Audio Codec	Realtek ALC662

Ethernet

LAN Chipset	2 x Intel I211AT Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx GbE compatible

Power Requirement

DC Input	+12V ~ +24V
ACPI	Single power ATX support S0, S3, S4, S5 and ACPI 3.0 compliant

Software Support

OS	Win10 / Linux / Android 8.1

Certification

Certification Information	CE / FCC Class A

Panel

LCD Size	15", 4:3
Display Type	XGA
Resolution	1024 x 768
Pixel Pitch	0.297mm(H) x 0.297mm(V)
Luminance	300 cd/m2
Contrast Ratio	2000
Viewing Angle	88 (U), 88 (D), 88(L), 88 (R)
Response Time	16 ms
Backlight	LED
Touch Type	Projective capacitive multi-touch up to 10 points
Touch Light Transmission	85%
Touch Controller	ILITEK COF touch

External I/O

USB	2 x M12 8-pin (male) for 2 x USB 2.0 with waterproof cover and chain
LAN Port	1 x RJ-45 8-pin (male) for LAN with waterproof cover and chain
COM Port	1 x M12 8-pin (male) for COM (RS-232/422/485) with waterproof cover and chain

Internal I/O

SATA	1 x SATA III

System Control

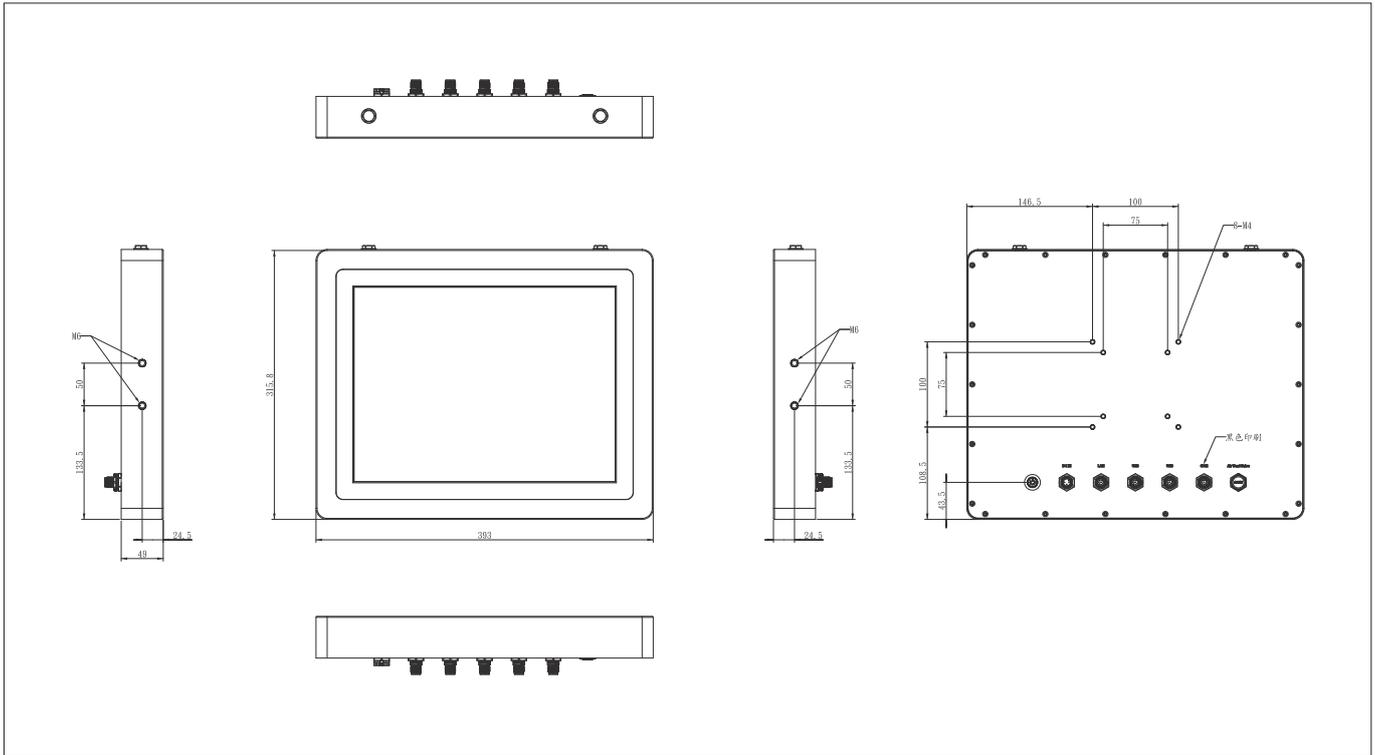|	
LED Indicator	HDD LED, power LED

Mechanical & Environmental

Operating Temp.	-10°C ~ 50°C (14°F ~ 122°F), by flow = 0.5
Storage Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	40°C @ 95% Relative humidity, non-condensing
Dimension (W x L x H)	393 x 315.8 x 49mm
Weight	5.7 Kg
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
Drop Test	ISTA 2A, IEC-60068-2-32 Test:Ed
Mounting Kit	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm
Power Mode	AT/ATX (ATX is default)
System Fan	Fanless
Construction	Stainless steel (Front), Stainless steel (Rear)

Mechanical Drawing

Ordering Information

P/N	Touch Type	Processor	Memory	Storage	Resolution	Luminance	COM	USB	LAN	Power Input	Operating Temp.	OS Support
SPC-1533-345-B1R	PCAP	J3455	2 x 204-pin DDR3L 1600MTs SO-DIMM	Default with 64GB mSATA 1 x 2.5 Drive bay for SSD/HDD (by option)	1024 x 768	300	1	4	1	+12V ~ +24V	-10°C ~ 50°C	Win10 / Linux / Android 8.1

Packing List

Item	P/N	Quantity
M4 x 6mm Screw for VESA	ACC-SCREW-0002R	4
M3 x 4mm Screw for HDD	ACC-SCREW-0003R	4

I/O Overview

Optional Items

Item	P/N
VESA STAND, 75mm & 100 mm	ACC-ARM-D1R
VESA STAND, 75mm & 100 mm	ACC-ARM-D23R
AC/DC adapter 24V/2.5A 90 Plug Type * Suggest DC Jack to M12 cable E170W050030R (Waterproof M12 DC Cable) when adapter needed	ACC-ADP-060N-09R
Wifi Kit for SPC-xx33/38-B1/M.2 WIFI intel 9260/2 Antenna	ACC-SPC-WIFI-03R
Waterproof M12 DC Cable	E170W050030R
Waterproof M12 USB Cable	E170W160030R
Waterproof M12 Lan Cable	E170W160040R
Waterproof M12 COM Cable	E170W170010R
USA Power Cord	E1702031833R
EU Power Cord	E1702031000R
Japan Power Cord	E1702031834R
UK Power Cord	E1702031830R
Australia Power Cord	E1702031831R
Australia Power Cord	E1702031831R

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