

SPC-2133

21.5" Intel® Celeron® Processor J3455 Fanless Stainless Steel Chassis Touch Panel PC with Full IP-65



Features

- Intel® Celeron® Processor J3455
- One 204-pin DDR3L SODIMM socket supports up to 8GB
- Rich I/O 3 x USB, 1 x COM (DB9), 1 x LAN
- Metal waterproof connectors
- Wide voltage +12V ~ +26V input, ErP power
- Optional WiFi / high brightness solution
- Full system IP65 & IPX9K
- Fanless operation



+12V ~ +26V



PCAP
multi-touch



Fanless



0°C ~ 40°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	1 x 204-pin DDR3L 1600MT/s SO-DIMM
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	EBM-APL
CPU Cooler (Type)	Fanless heatsink
Other	1 x WiFi (optional)

Expansion

Expansion	1 x Mini PCIe
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Storage

Storage	1 x 2.5 Drive bay
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Display

Graphic Chipset	Intel® Apollo Lake SoC integrated graphics supports dual display
Spec. & Resolution	HDMI: Max. Resolution 3840x2160 @ 30Hz LVDS: Max. Resolution 1920x1080 @ 60Hz eDP: Max. Resolution 4096x2160 @ 60Hz

Audio

Audio Codec	Realtek ALC888S
Audio Interface	Line-out
Speaker Output	2 x 5W

Ethernet

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

Power Requirement

DC Input	+12V ~ +26V
ACPI	Single power ATX support S0, S3, S4, S5 and ACPI 3.0 compliant

Software Support

OS	Win10 / Linux
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Certification

Certification Information	CE / FCC Class A
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Panel

LCD Size	21.5", 16:9
Display Type	WSXGA
Resolution	1920 x 1080
Pixel Pitch	248.25um (H) x 248.25um (V)
Luminance	250 cd/m ²
Contrast Ratio	3000
Viewing Angle	89 (U), 89 (D), 89 (L), 89 (R)
Response Time	18 ms
Backlight	LED
Touch Type	Projective capacitive multi-touch up to 10 points
Touch Light Transmission	89%
Touch Controller	Onboard USB touch (EETI)

External I/O

USB	3 x Waterproof USB 3.0
LAN Port	2 x RJ-45 8-pin (male) for LAN with waterproof cover and chain
COM Port	1 x Waterproof for COM (DB9, RS-232/422/485)

Internal I/O

SATA	1 x SATA III
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System Control

LED Indicator	HDD LED, power LED
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Mechanical & Environmental

Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)
Storage Temp.	-10°C ~ 60°C (14°F ~ 140°F)
Operating Humidity	0% ~ 90% Relative humidity, non-condensing
Dimension (W x L x H)	595 x 386 x 58mm
Weight	9 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
IP Rating	Whole system IP65
Mounting Kit	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm
Power Mode	AT/ATX (ATX is default)
Construction	Stainless steel (Front), Stainless steel (Rear)

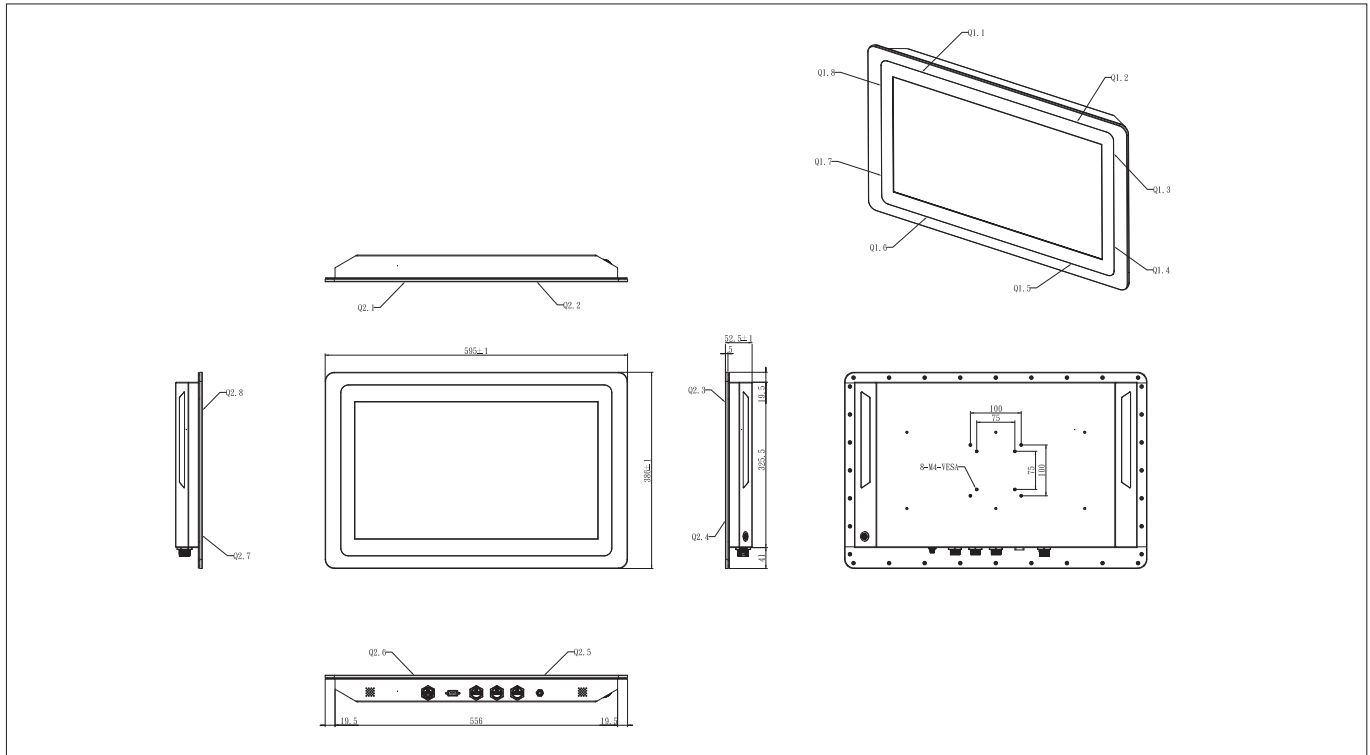
Component

Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W adapter (12V @ 5A adapter) AC-DC adapter
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Mechanical Drawing



Ordering Information

P/N	Touch Type	Processor	Memory	Storage	Resolution	Luminance	COM	USB	LAN	Power Input	Operating Temp.	OS Support
SPC-2133-335-A2R	PCAP	N3350	1 x 204-pin DDR3L 1600MT/s SO-DIMM	1 x 2.5 Drive bay	1920 x 1080	250	1	3	1	+12V ~ +26V	0°C ~ 40°C	Win10 / Linux

Packing List

Item	P/N	Quantity
M4 x 6mm Screw for VESA	ACC-SCREW-0002R	4
AC/DC adapter 24V/3.75A Plug Type	ACC-ADP-090N-04R	1
M8/4Pin-D2.5DC Jack-Plug 200cm	E170W060010R	1

Optional Items

Item	P/N
VESA STAND, 75mm & 100 mm	ACC-ARM-D1R
VESA STAND, 75mm & 100 mm	ACC-ARM-D23R
Wifi Kit for SPC-XX09/33/mPCIe/1Antenna only	ACC-SPC-WIFI-02R
USA Power Cord	E1702031833R
EU Power Cord	E1702031000R
Japan Power Cord	E1702031834R
UK Power Cord	E1702031830R
Australia Power Cord	E1702031831R

I/O Overview

