

OFP-21W33

21.5" Full-HD PCAP Multi-Touch Fanless Open Frame Panel PC with Intel® Celeron® Processor J3455



Features

- 21.5" Full-HD open frame panel PC with PCAP touch
- Intel® Celeron® Processor J3455
- 2 x 204-pin DDR3L 1600 & 1333MHz SO-DIMM supports up to 16GB
- 2x GbE LAN, 4 x USB 3.0, line-out, mic-in, 1 x COM, DP++, HDMI/DP
- Option for 4 x COM, 4 x USB2.0, 16-bit GPIO with DB9 connector
- Slim & strength design
- Fanless operation from 0° ~ 40°C
- Wide voltage input +12 ~ 24Vdc
- Option for Wi-Fi & BT function
- Option for Infineon SLB9665 TPM 2.0



+12V ~ +24V



PCAP multi-touch



Fanless



0°C ~ 40°C

Specifications

System Information

Processor	Intel® Celeron® Processor J3455, 2M Cache, up to 2.30 GHz
System Memory	Default with 4GB DDR3L memory option supports up to 16GB DDR3L 1600 & 1333MHz SO-DIMM
I/O Chipset	EC ITE IT8528
Watchdog Timer	H/W reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
BIOS	AMI 128Mbit SPI BIOS
H/W Status Monitor	Monitoring system temperature and voltage with auto throttling control
SBC	EMX-APLP
CPU Cooler (Type)	Fanless heatsink
Other	2 x Antenna mounting with dust cover (reserve)

Expansion

Expansion	1 x M.2 (2230) A-Key support WiFi module
-----------	--

Storage

Storage	Default with 64GB mSATA
Other Storage Device	Reserve space for 1 x 2.5 drive bay design (by option)

Display

Graphic Chipset	Intel® HD graphics 500
Spec. & Resolution	HDMI/DP: 3840 x 2160 @ 30Hz, 2560 x 1600 @ 30Hz

Audio

Audio Codec	Realtek ALC662
Audio Interface	Mic-in, Line-out
Audio Amplifier	2 x Stereo class-D 3W audio amplifier

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	21.5", 16:9
Display Type	Full HD
Resolution	1920 x 1080
Pixel Pitch	0.24795mm (H) x 0.24795mm (V)
Luminance	250 cd/m2
Contrast Ratio	2000
Viewing Angle	89 (U), 89 (D), 89 (L), 89 (R)
Response Time	35 ms
Backlight	LED
Touch Type	Projective capacitive multi-touch up to 10 points
Touch Light Transmission	89%
Touch Controller	EETI

External I/O

USB	4 x USB 3.0, 4 x USB 2.0 (option)
LAN Port	2 x RJ-45
COM Port	1 x RS232 (default)/RS422/485, 4 x RS232 (option, pin9 without power)

Internal I/O

DIO	16-bit GPIO with DB9 connector(option)
-----	--

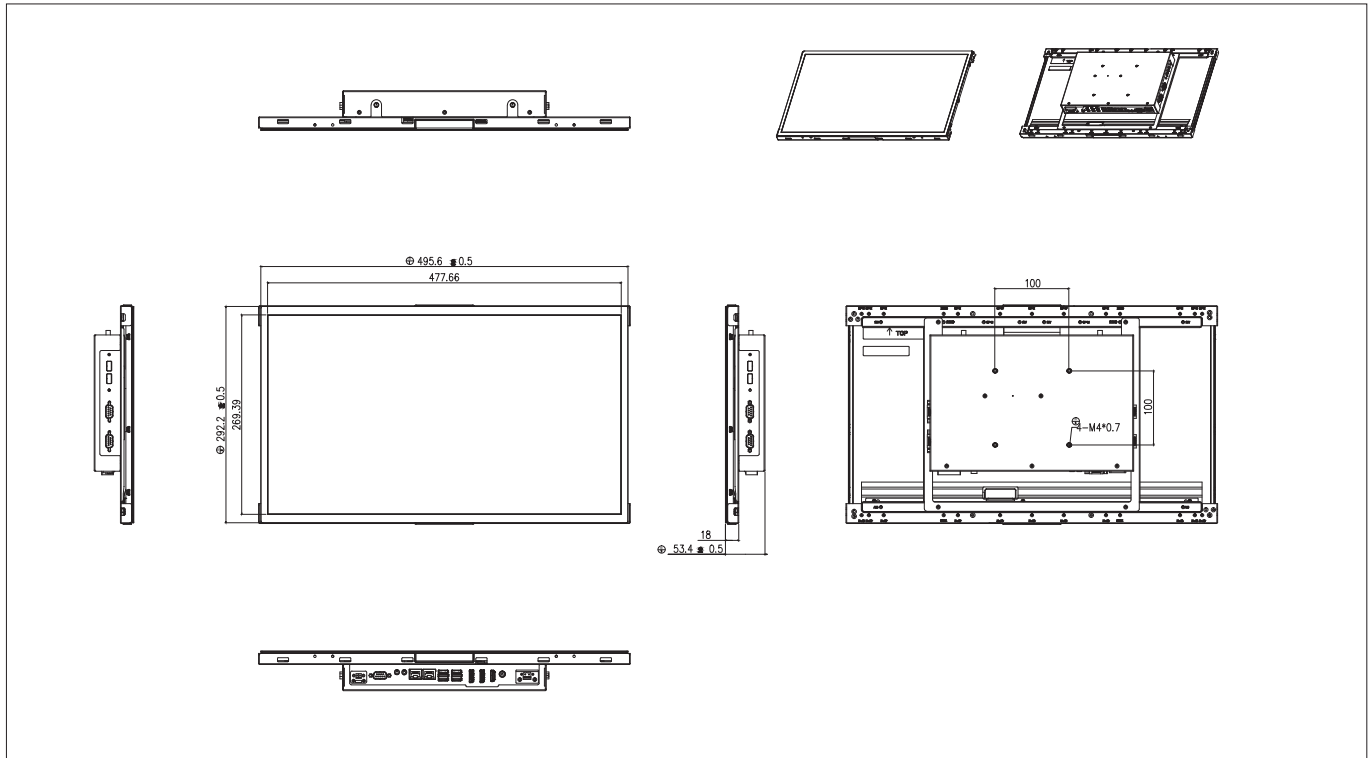
System Control

LED Indicator	HDD LED, power LED
---------------	--------------------

Mechanical & Environmental

Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	0% ~ 90% Relative humidity, non-condensing
Dimension (W x L x H)	501.9 x 296.2 x 52.4mm
Weight	4.1 Kg
Vibration Test	With mSATA : 1.5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 0.5hr/axis
Shock Test	Operating with mSATA : IEC 60068-2-27 testing procedures, 10G for operation mode
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

Mechanical Drawing



Ordering Information

P/N	Touch Type	Processor	Memory	Storage	Resolution	Luminance	COM	USB	LAN	Power Input	Operating Temp.	OS Support
OFP-21W33-345-A2R	PCAP	J3455	Default with 4GB DDR3L memory option supports up to 16GB DDR3L 1600 & 1333MHz SO-DIMM	Default with 64GB mSATA Reserve space for 1 x 2.5 drive bay design (by option)	1920 x 1080	250	1	4	2	+12V ~ +24V	0°C ~ 40°C	Win10 / Linux / Android 8.1

Packing List

Item	P/N	Quantity
M4x4mm VESA Screw	ACC-SCREW-0001R	4

Optional Items

Item	P/N
Panel Mount Kits for OFP-21W series	ACC-OFP-21-PMT-01R
Wall Mount Kits for OFP-21W series	ACC-OFP-21-WMT-01R
AC/DC adapter 12V/5A 90 degree Screw Type	ACC-ADP-060N-08R
USA Power Cord	E1702031833R
EU Power Cord	E1702031000R
Japan Power Cord	E1702031834R
UK Power Cord	E1702031830R
Australia Power Cord	E1702031831R

I/O Overview

