

OFP-21W33

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

Distributed by:



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)
-----	--

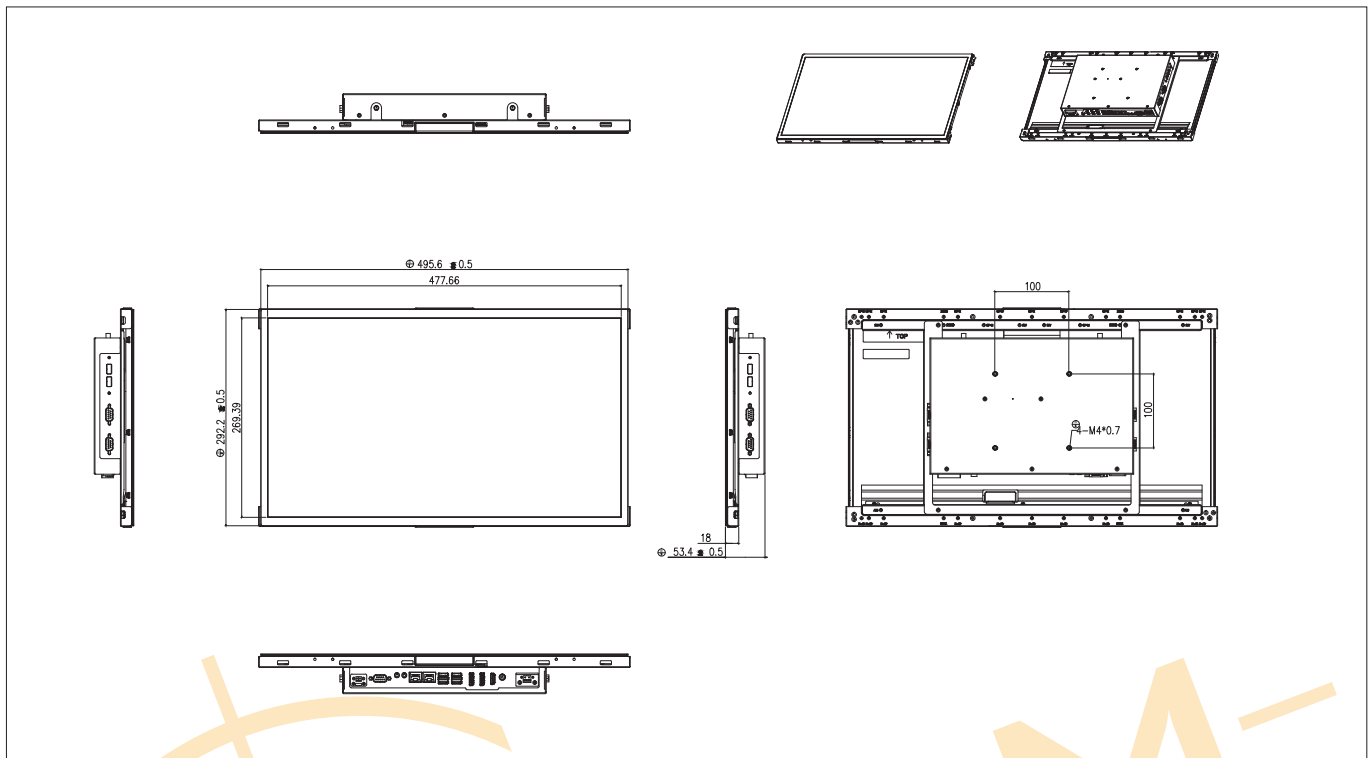
System Control

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

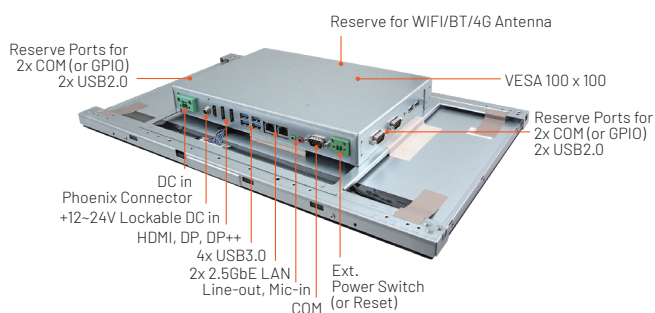
Packing List

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



Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Texim Europe B.V. its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Texim"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Texim makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product.

It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





Headquarters & Warehouse

Elektrostraat 17
NL-7483 PG Haaksbergen
The Netherlands

T: +31 (0)53 573 33 33
E: info@texim-europe.com
Homepage: www.texim-europe.com



The Netherlands

Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
E: nl@texim-europe.com



Belgium

Zuiderlaan 14, box 10
B-1731 Zellik

T: +32 (0)2 462 01 00
E: belgium@texim-europe.com



UK & Ireland

St Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS

T: +44 (0)1522 789 555
E: uk@texim-europe.com



Germany

Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
E: germany@texim-europe.com



Germany

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: muenchen@texim-europe.com



Austria

Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
E: austria@texim-europe.com



Nordic

Stockholmsgade 45
2100 Copenhagen

T: +45 88 20 26 30
E: nordic@texim-europe.com



Italy

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: italy@texim-europe.com