

Features

- 21.5" Full-HD Open frame panel PC with PCAP Touch
- Onboard Intel® Celeron® J3455 SoC BGA Processor (2M Cache, up to 2.30 GHz)
- 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° ~ 45°C
- Wide Voltage Input +12 ~ 24Vdc
- Optional Wi-Fi & BT function
- Optional Infineon SLB9665 TPM 2.0



Specifications

System	
CPU	Onboard Intel® Celeron® J3455 SoC BGA Processor (2M Cache, up to 2.30 GHz)
System Chipset	SoC
System Memory	Default with 4GB DDR3L Memory Option supports up to 16GB DDR3L 1600 & 1333MHz SO-DIMM
I/O Chip	EC iTE IT8528
BIOS	AMI 128Mbit SPI BIOS
Expansion	1 x M.2 (2230) A-Key support WiFi module
Storage	Default with 64GB mSATA
Other Storage Device	Optional reserved space for 1 x 2.5" Drive Bay
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
OS Support	Windows 10 IoT, Linux, x86 Android 8.1/9.0
Panel	
LCD Size	21.5", 16:9
Display Type	Full HD
B/L Inverter/Converter	LCD built in
Resolution	1920 x 1080
Pixel Pitch	0.24795(H) x 0.24795(V)
Luminance	250cd/m ²
Contrast Ratio	2000
View Angle	89 (U), 89 (D), 89 (L), 89 (R)
Response Time	35 ms
Backlight	LED
Touch Type	Projective Capacitive Multi-Touch supports up to 10 points
Touch Light Transmission	89 %
Touch Controller	EETI
Display	
Chipset	Intel® HD Graphics 500
Resolution	HDMI/DP: 3840 x 2160 @ 30Hz, 2560 x 1600 @ 30Hz

Audio	
Chipset	Realtek ALC662 supports 2-CH
Interface	Mic-in, Line-out
Amplifier	2 x Stereo Class-D 3W Audio Amplifier
Ethernet	
Chipset	2 x Intel I211AT Gigabit Ethernet
Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
I/O	
USB	4 x USB 3.0 Optional 4 x USB 2.0
COM Port	1 x RS232 (Default)/ RS422/485 Optional 4 x RS232 (Pin9 without power)
LAN	2 x RJ-45
Display	1 x HDMI 2 x DP++
DC	DC-in
Other	2 x Antenna Mounting with Dust Cover (Reserved) 1 x 16-bit GPIO interface



Mechanical and Environment

Power Requirement	+12V~24V DC in 3 pins Phoenix connector and Lockable DC Jack Extend Power Connector for on/off or Reset
Power Type	AT/ATX
Operating Temp	0°C ~ 45°C (32 ~ 113°F)
Storage Temp	-20 ~ 60°C (-4 ~ 140°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
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	ISTA 2A, IEC-60068-2-32 Test:Ed
System Fan	Fanless
Mounting	Flush / Panel / Wall Mount with mounting kits, VESA 100mm x 100mm
Certification Information	CE, FCC Class A
Dimension	19.76" x 11.66" x 2.06" (501.9 x 296.2 x 52.4 mm)
Weight	9.04 lbs (4.1Kgs)

Ordering Info

OFT-21W33-3455-A1R	21.5" Full-HD Multi Touch Open Frame Panel PC / Intel Celeron J3455, 4GR, 64GB mSATA, 4USB3, COM, 2LAN, DP++, DP, HDMI without adapter
ACC-OFT-21-FMT-01R	Flush Mount Kits for OFT-21W series
ACC-OFT-21-PMT-01R	Panel Mount Kits for OFT-21W series
ACC-OFT-21-WMT-01R	Wall Mount Kits for OFT-21W series

* All product specifications and images are subject to change without notice. Last update: 2020/08/11



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