



APC-2138

**21.5" 11th Gen Intel® Core™ Processor i5/i3
Expandable Ultra light Multi-Touch Fanless
PC**

21.5" PCAP Multi Touch
Onboard 11th Gen. Intel® Core™ SoC i5/i3 BGA Processor
2 x 260-pin DDR4 3200 MHz SO-DIMM support 64GB
2 x GLAN, 2 x DP++, 4 x USB
2 x 2W Speakers
Front IP65, Fanless System & VESA Compliance
1 x 2.5" SSD w/Service Window
Optional WiFi 802.11 ac/a/b/g/n



Spec

System Information-

Processor

Intel® Core™ i5-1135G7 (up to 4.2GHz, quad-core, 8M Cache, TDP: 15W)
Intel® Core™ i3-1115G4 (up to 3.0GHz, dual-core, 6M Cache, TDP: 15W)

Platform Controller Hub

Intel® Tiger Lake SoC integrated

System Memory

2 x 260-pin DDR4 3200 MHz SO-DIMM supports up to 64GB (non ECC only)

I/O Chipset

EC iTE IT8528E

Watchdog Timer

H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step

H/W Status Monitor

CPU temperature monitoring
Voltages monitoring
CPU fan speed control

TPM

Onboard NuvoTon NPCT754AADYX support TPM 2.0

SBC

EMX-TGLC

Expansion

Expansion

1 x M.2 Type B 3042/3052/2242/2260/2280 support WWAN+GNSS or NVMe SSD
1 x M.2 Key E 2230 support WiFi module and CNVi (1 x PCI-e x1 & USB 2.0 Signal)

Storage

Storage

1 x 2.5" Drive Bay
1 x M.2 slot

Panel

LCD Size

21.5"

Display Type

Full HD

Resolution

1920x1080

Pixel pitch

248.25um (H) x248.25um (V)

Luminance

250cd/m²

Contrast ratio

3000

Viewing angle

89 (U), 89 (D), 89 (L), 89 (R)

Response time

18ms

Backlight

LED

Touch Type

Projective Capacitive

Touch Light Transmission

89 %

I/O

USB Port

4 x USB 3.0

Display Port

2 x DP ++

Display

Graphic Chipset

Intel® 11th Generation CPU integrated

Spec. & Resolution

DP1+DP2 (DP1.4): Max: 7680 x 4329@60 Hz
DP3+DP4 (DP1.4): Max: 7680 x 4329@60 Hz
Single DP port (2021/2 Lab test): 5120 x 2160 @60 Hz, DVT check Max: 7680 x 4329@60 Hz
Note: This resolution is actual test result. Intel resolution as below:
2 x DP++ : 1920 x 1080@60 Hz
2 x DP: 4096 x 2304@60 Hz
LVDS: 1920 x 1080 Dual channel 18/24-bits LVDS (Chrontel CH7511B eDP to LVDS)
eDP 4096 x 2304@60 Hz
*2 x DP++, LVDS, eDP Default (Thin Mini ITX), Optional: DP3 and DP4 for full height
(Maximum: 6 for quadruple independent displays)

Audio

Audio Codec

Realtek ALC897 co-lay ALC888S & Tempo 92HD73

Speaker Output

2 x 2W

.Certifications**Certification Information**CE
FCC Class B**.Ethernet**

W

**LAN Chipset**1 x Intel® I225IT 2.5 Gigabit Ethernet
1 x Intel® I219LM Gigabit Ethernet PHY**Ethernet Interface**

10/100/1000 Base-Tx GbE compatible

LAN Port

2 x RJ-45

.Power Requirement**DC Input**

+12V~24V

DC Input Connector

4-pin din

AdapterInput:100 ~ 240Vac/ 50 ~ 60Hz
Output:90W Adapter (24V @ 3.75A Adapter) AC-DC Adapter**.Mechanical & Environmental****Operating Temperature**

0°C ~ 40°C (32°F ~ 104°F)

Storage Temperature

-10°C ~ 60°C (14°F ~ 140°F)

Operating Humidity

0% @ 90% Relative Humidity, Non-condensing

Weight

6.3 Kgs

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

IP Rating

Front IP65

Mounting Kit

Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm

Power Mode

AT/ATX

System Fan

Fanless

Construction - Front

Plastic- Black

Construction - Rear

Plastic- Black

Dimension

539.6 * 342.6 * 45.2 mm

Fanless

Yes

.Software Support**OS Information**

Win10 64bit, Win11 64bit

.Ordering Information**Ordering Information**APC-2138-C15-A1R
21.5" 1920x1080 Projected Capacitive Touch Panel PC (Plastics, Black),
Intel Core i3-1115G4/4GB Memory/4USB3.0/2LAN/2DP/SPK/90W Power adapter

APC-2138-C35-A1R
21.5" 1920x1080 Projected Capacitive Touch Panel PC (Plastics, Black),
Intel Core i5-1135G7/4GB Memory/4USB3.0/2LAN/2DP/SPK/90W Power adapter

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