



APC-2138

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

- > 21.5" PCAP Multi Touch
- > Onboard 11th Gen. Intel® Core™ SoC i5/i3 & Celeron® BGA Processor
- > 2 x 260-pin DDR4 3200 MHz SO-DIMM supports up to 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 |
| HW Status Monitor | CPU temperature monitoring Voltages monitoring CPU fan speed control |
| TPM | Onboard NuvoTon NPC1754AADYX 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 PCIe 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 | |



| | |
|---------------------------------------|--|
| 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 |
| Adapter | Input: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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