



## EPC-APL

### Intel® Apollo Lake Fanless Compact System

- > Intel® Apollo Lake Processor
- > Single DRAM Socket, Max. Up to 8GB DDR3 1866MHz
- > Rich I/O, 1-VGA, 1-COM, 2-HDMI, 2-LAN, 4-USB3.0, 2-Antennal Mounting
- > Fanless Operating from -10°C ~ 50°C
- > Wide Range DC Power Input from 12V ~ 26V
- > Compact Size, 177mm x 123mm x 43.5mm
- > Optional VESA / DIN-Rail Kit
- > TPM 2.0

#### + Spec

-System Information-	
<b>Processor</b>	Intel® Pentium® Processor N4200 (2M Cache, up to 2.5 GHz) Intel® Celeron® Processor N3350 (2M Cache, up to 2.4 GHz) Intel® Celeron® Processor J3455 (2M Cache, up to 2.3 GHz)
<b>System Memory</b>	1 x 204-pin SO-DIMM Socket, Max, Up to 8GB DDR3L 1866MHz
<b>BIOS Information</b>	AMI BIOS, 128Mbit SPI Flash ROM
<b>Watchdog Timer</b>	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
<b>H/W Status Monitor</b>	Monitoring CPU Temperature, Voltage with Auto Throttling Control
<b>SBC</b>	ECM-APL2
Expansion	
<b>Expansion</b>	1 x Full size mini PCIe (SATA/PCIE/USB2.0) 1 x Half size mini PCIe (PCIE/USB2.0)
Storage	
<b>Storage</b>	1 x 2.5" Drive Bay (7mm) 1 x mSATA
I/O	
<b>USB Port</b>	4 x USB 3.0
<b>COM Port</b>	1 x RS-232/422/485(Jumper&BIOS)
<b>Antenna</b>	2 x Antenna Mounting with Dust Cover
System Control	
<b>LED Indicator</b>	1 x Power on/off LED on front side 1 x Storage Access LED on front side
Display	
<b>Graphic Chipset</b>	Intel® HD Graphics 500 (N3350/J3455) Intel® HD Graphics 505 (N4200)
<b>Spec. &amp; Resolution</b>	1 x VGA: Max. Resolution 1920 x 1200@60Hz 2 x HDMI 1.4b: Max. Resolution 3840x2160@30Hz (HDMI 1.4b)
<b>Multiple Display</b>	Triple Display
Audio	
<b>Audio Codec</b>	Realtek ALC888S
Certifications	
<b>Certification Information</b>	CE, FCC Class B, UKCA
Ethernet	
<b>LAN Chipset</b>	2 x Intel® I210AT
<b>Ethernet Interface</b>	10/100/1000 Base-Tx Gigabit Ethernet Compatible
<b>LAN Port</b>	2 x RJ45
Power Requirement	
<b>DC Input</b>	Typical 12/24 Vdc
<b>DC Input Connector</b>	Lockable DC Jack
<b>ACPI</b>	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
<b>Power Mode</b>	AT/ATX (ATX is default setting)
<b>Adapter</b>	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 12V/5A AC-DC 60W Adapter
Mechanical & Environmental	
<b>Operating Temperature</b>	With extended temperature peripherals:-10°C ~ 50°C (14°F ~ 122°F) with 0.2m/s air flow With 2.5" hard drive: 0°C ~ 40°C (32°F ~ 113°F) with 0.2m/s air flow
<b>Storage Temperature</b>	-30~70C° (-22°F ~ 158°F)
<b>Operating Humidity</b>	40°C @ 95% Relative Humidity, Non-condensing
<b>Dimension (W x L x H)</b>	177mm x 123mm x 43.5 mm (7" x 4.8" x 1.7")



<b>Weight</b>	2.65lbs(1.2KG)
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<b>Vibration Test</b>	With SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
<b>Shock Test</b>	With SDD : 50G, IEC 60068-2-27, Half Sine, 11ms, Z Axis
<b>Mounting Kit</b>	Stand (Default) VESA Mount kit (Factory Option) Din Rail kit (Factory Option)
<b>Drop</b>	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
<b>Construction</b>	Aluminum + Metal
<b>Software Support</b>	
<b>OS Information</b>	Win 10, Linux
<b>Ordering Information</b>	
<b>Ordering Information</b>	<p>EPC-APL-42-C2-1R Intel® Pentium® Processor N4200 Fanless Tiny System</p> <p>EPC-APL-33-C2-1R Intel® Celeron® Processor N3350 Fanless Tiny System</p> <p>EPC-APL-34-C2-1R Intel® Celeron® Processor J3455 Fanless Tiny System</p> <p>E1702031831R Australia Power Cord</p> <p>E1702031834R Japan Power Cord</p> <p>E1702031833R USA Power Cord</p> <p>E170P060380R UK Power Cord</p> <p>E1702031000R EU Power Cord</p>