



EPC-APL

Intel® Apollo Lake Fanless Tiny 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-Antenna 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	
Processor	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)
System Memory	1 x 204-pin SO-DIMM Socket, Max, Up to 8GB DDR3L 1866MHz
BIOS Information	AMI BIOS, 128Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU Temperature, Voltage with Auto Throttling Control
SBC	ECM-APL2
Expansion	
Expansion	1 x Full size mini PCIe (SATA/PCIE/USB2.0) 1 x Half size mini PCIe (PCIE/USB2.0)
Storage	
Storage	1 x 2.5" Drive Bay (7mm) 1 x mSATA
I/O	
USB Port	4 x USB 3.0
COM Port	1 x RS-232/422/485(Jumper)
Antenna	2 x Antenna Mounting with Dust Cover
System Control	
LED Indicator	1 x Power on/off LED on front side 1 x Storage Access LED on front side
Display	
Graphic Chipset	Intel® HD Graphics 500 (N3350/J3455) Intel® HD Graphics 505 (N4200)
Spec. & Resolution	1 x VGA: Max. Resolution 1920 x 1200@60Hz 2 x HDMI 1.4b: Max. Resolution 3840x2160@30Hz (HDMI 1.4b)
Multiple Display	Triple Display
Audio	
Audio Codec	Realtek ALC888S
Certifications	
Certification Information	CE, FCC Class B
Ethernet	
LAN Chipset	2 x Intel® I211AT
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible
LAN Port	2 x RJ45
Power Requirement	
DC Input	Typical 12/24 Vdc (+12~ 26V)
DC Input Connector	Lockable DC Jack
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Mode	AT/ATX (ATX is default setting)
Adapter	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 12V/5A AC-DC 60W Adapter
Mechanical & Environmental	
Operating Temperature	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
Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	177mm x 123mm x 43.5 mm (7" x 4.8" x 1.7")



Vibration Test	With SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
Shock Test	With SDD : 50G, IEC 60068-2-27, Half Sine, 11ms, Z Axis
Mounting Kit	Stand (Default) VESA Mount kit (Factory Option) Din Rail kit (Factory Option)
Drop	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
Construction	Aluminum + Metal
Software Support	
OS Information	Win 10, Linux
Ordering Information	
Ordering Information	<p>EPC-APL-42-B1-1R EPC-APL-42-C1-1R Intel® Pentium® Processor N4200 Fanless Tiny System</p> <p>EPC-APL-33-B1-1R EPC-APL-33-C1-1R Intel® Celeron® Processor N3350 Fanless Tiny System</p> <p>EPC-APL-34-B1-1R EPC-APL-34-C1-1R Intel® Celeron® Processor J3455 Fanless Tiny System</p> <p>EPC-APL-34-B1-2R EPC-APL-34-C1-2R (RS 2 inside) EPC-APL-34-B1-1R/EPC-APL-34-C1-1R, w/128G SSD, Windows 10</p>