



## EPC-APL

### Intel® Pentium®/ Celeron® Processor Fanless Tiny System



- > Intel® Pentium®/ Celeron® Processor
- > One 204-pin SODIMM Socket Up to 8GB DDR3L 1866MHz SDRAM
- > 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 (Factory Option)

#### + Spec

System	
<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)
<b>System Memory</b>	1 x 204-pin SODIMM Socket Up to 8GB DDR3L 1866MHz SDRAM
<b>BIOS</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 (mSATA) 1 x Half Size Mini PCIe
Storage	
<b>Solid State Drive</b>	1 x 2.5" Drive Bay (7mm) 1 x mSATA
I/O	
<b>USB</b>	4 x USB 3.0
<b>COM Port</b>	1 x RS-232/422/485(Jumper)
<b>Antenna</b>	2 x Antenna Mounting with Dust Cover
Display	
<b>Chipset</b>	Processor Graphics Intel® HD Graphics 500 for N3350 Intel® HD Graphics 505 for N4200
<b>Resolution</b>	1 x VGA : Max. Resolution 1920 x 1200 @ 60Hz 2 x HDMI : Max. Resolution 3840x2160@30Hz (HDMI 1.4b)
<b>Multiple Display</b>	Triple Display
Audio	
<b>Chipset</b>	Realtek ALC892
Ethernet	
<b>Chipset</b>	2 x Intel® I211AT
<b>Ethernet Interface</b>	10/100/1000 Base-Tx Gigabit Ethernet Compatible
<b>LAN Port</b>	2 x RJ45
Mechanical & Environmental	
<b>Power Requirement</b>	Power Input: Typical 12/24 Vdc ( +12~ 26V )
<b>ACPI</b>	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
<b>Power Type</b>	AT/ATX (ATX is default setting)
<b>Operating Temp</b>	With extended temperature peripherals: -10°C ~ 50°C (14°F ~ 122°F) with 1m/air flow With 2.5" hard drive: 0°C ~ 45°C (32°F ~ 113°F) with 1m/s air flow
<b>Storage Temp</b>	-40°C ~ 75°C (-40°F ~ 167°F)
<b>Operating Humidity</b>	0% ~ 90% relative humidity, non-condensing
<b>Weight</b>	2.65lbs(1.2KG)
<b>Construction</b>	Aluminum + Metal
<b>Mounting Kit</b>	Stand (Default) VESA Mount kit (Factory Option) Din Rail kit (Factory Option)
<b>Dimension (L x W x H)</b>	177mm x 123mm x 43.5 mm (7" x 4.8" x 1.7")
<b>Vibration Protection</b>	With SSD: 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis
<b>Shock Protection</b>	With SDD : 50G, IEC 60068-2-27, Half Sine, 11ms, 3 Axis, 6 Faces
<b>Drop</b>	ISTA 2A, IEC-60068-2-32 Test : Ed
Certifications	
<b>Certification Information</b>	CE, FCC Class B
Software Support	



<b>OS Information</b>	Win 10, Linux
<b>Power Requirement</b>	
<b>Adapter</b>	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 12V/5A AC-DC 60W Adapter
<b>System Control</b>	
<b>LED Indicator</b>	1 x Power on/off LED on front side 1 x Storage Access LED on front side

**+** Ordering

EPC-APL-42-A1-1R  
Intel® Pentium® Processor N4200 Fanless Tiny System

EPC-APL-33-A1-1R  
Intel® Celeron® Processor N3350 Fanless Tiny System