



## EPX-APLP

### Intel® Celeron® & Pentium® Processor Pico ITX Motherboard

- > Intel® Celeron® N3350/ J3455 /Pentium® N4200 Processor (2M Cache, up to 2.40/2.30/2.50 GHz)
- > 1 x 204-pin DDR3L 1600MHz SO-DIMM supports up to 8GB
- > DP++, HDMI, Dual channel 18/24-bits LVDS
- > 2 x Intel® i211AT Gigabit Ethernet
- > Realtek ALC662 Audio Codec
- > Realtek ALC105 Stereo Class-D 3W x2 Audio Amplifier
- > 1 x M.2 (2242/2262/3042) B-Key, 1 x M.2 (2230) A-Key support Wifi module
- > 1 x SATA III, 1 x SATA Power, 4 x USB 2.0, 2 x USB 3.0
- > 1 x RS232, 8-bit GPIO
- > DC in +12V

#### Spec

System	
<b>Processor</b>	Intel® Celeron® N3350/ J3455 / Pentium® N4200 (2M Cache, up to 2.40/2.30/2.50 GHz)
<b>System Memory</b>	1 x 204-pin DDR3L 1600MHz SO-DIMM supports up to 8GB
<b>I/O Chip</b>	EC ITE IT8528
<b>BIOS</b>	AMI 128Mbit SPI BIOS
<b>Watchdog Timer</b>	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
<b>HW Status Monitor</b>	Monitoring System Temperature and Voltage with Auto Throttling Control
Expansion	
<b>Expansion</b>	1 x M.2 (2242/2260/3042) B-Key, 1 x M.2 (2230) A-Key, supports Wifi module, (*Micro SIM card to SIM card adapter by optional)
I/O	
<b>USB</b>	4 x USB 2.0 2 x USB 3.0
<b>SATA</b>	1 x SATA Power 1 x SATA III
<b>COM Port</b>	1 x RS232
<b>DIO</b>	1 x 8-bit GPIO
Display	
<b>Chipset</b>	Intel® Atom™/ Celeron® SoC integrated Graphics
<b>Resolution</b>	DP++: 4096 x 2160 @ 60Hz HDMI: 3840 x 2160 @ 30Hz, 2560 x 1600 @ 30Hz LVDS: 1920 x 1080 @ 60Hz
<b>LVDS</b>	2CH 18/24bits LVDS 1920 x 1080 Chrontel. CH7511B eDP to LVDS Converter
Audio	
<b>Chipset</b>	Realtek ALC662 supports 2-CH
<b>Audio Amplifier</b>	2 x Stereo Class-D 3W Audio Amplifier
Ethernet	
<b>Chipset</b>	2 x Intel I211AT Gigabit Ethernet
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>LAN Port</b>	2 x RJ45
Mechanical & Environmental	
<b>Power Requirement</b>	+12V
<b>Power Type</b>	AT/ATX
<b>Operating Temperature</b>	-5 ~ 60°C (23 ~ 140°F)
<b>Storage Temperature</b>	-40 ~ 75°C (-40 ~ 167°F)
<b>Operating Humidity</b>	0 ~ 90% Relative Humidity, Non-condensing
<b>Dimension (L x W)</b>	3.94" x 2.83" (100mm x 72mm)
<b>Weight</b>	0.66lbs (0.3Kgs)

#### Ordering

EPX-APLP-4200-A1R  
 EPX-APLP-3455-A1R  
 EPX-APLP-3350-A1R  
 Intel® Pentium® N4200 / Celeron® J3455/N3350 Processor Pico ITX Motherboard

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Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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