



EQM-APL

Intel® Pentium®/Celeron®/Atom™ SoC processor
Qseven Module

- > Onboard Intel® Pentium®/Celeron®/Atom™ SoC BGA processor
- > Onboard DDR3L 1866 4GB Up to 8GB, support ECC(Factory Option)
- > 2 SATA III, 6 USB 2.0, 2 USB 3.0, 3 PCIe2.0
- > Dual Channel 18/24-bit LVDS + HDMI
- > Supports eMMC 5.0, SD card(SDIO 3.0)
- > Qseven Form Factor Rev. 2.1 compliant
- > Standard Temperature: 0°C ~ +70°C
- > Extended Temperature: -40°C ~ +85°C

+ Spec

System	
Processor	Intel® Pentium® Processor N4200 4C 1.1 GHz Intel® Celeron® Processor N3350 2C 1.1 GHz Intel® Atom™ Processor x7 E3950 4C 1.6 GHz Intel® Atom™ Processor x5 E3930 4C 1.6 GHz Intel® Atom™ Processor x5 E3930 2C 1.3 GHz
System Memory	Onboard DDR3L 1866 4GB Up to 8GB, support ECC(Factory Option)
BIOS	AMI 128Mbit SPI BIOS
Expansion	
Expansion	3 x PCIe1
Storage	
Storage	eMMC5.0 onboard flash up to 64GB(optional)
I/O	
USB	6 x USB 2.0 2 x USB 3.0
SATA	2 x SATA III
COM Port	1 x UART
MIO	1 x LPC 1 x SMBus 1 x I2C 1 x SPI
Display	
Chipset	Apollo lake SoC integrated Graphics
Resolution	HDMI: Max. resolution 3840x2160 @ 30Hz or DP: Max. resolution 4096x2160 @ 60Hz LVDS: Max. resolution 1920x1200 @ 60Hz or eDP: Max. resolution 4096x2160 @ 60Hz
LVDS	CH7511B(eDP to LVDS)
Multiple Display	HDMI + DDI
Audio	
Chipset	Intel® Apollo lake SoC integrated
Audio Interface	Intel® High Definition Audio
Ethernet	
Chipset	1 x Intel® I211AT or I210IT
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
Mechanical & Environmental	
Power Requirement	+5V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Type	AT
Operating Temp	Standard supports 0°C ~ 70°C (32°F ~ 158°F)(N4200/N3350) Extended supports -40°C ~ 85°C (-40°F ~ 185°F)(E3900 series)
Storage Temp	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	2.75" x 2.75" (70mm x 70mm)
Certifications	
Certification Information	CE FCC Class B
Software Support	
OS Information	Win 10 Linux Android



 Ordering

REV-Q703-B1R
Mini ITX Evaluation Carrier Board for Q7 Rev 2.1

EQM-APL-N4200-A1R
Intel Pentium® N4200 Q7/4G DDR3L Rev. A1

EQM-APL-N3350-A1R
Intel Celeron® N3350 Q7/4G DDR3L Rev. A1

