

Features

- Onboard Intel® Pentium®/Celeron®/Atom™ SoC BGA processor
- Onboard DDR3L 1866 4GB Up to 8GB, supports ECC (Optional)
- Intel® I210IT Gigabit Ethernet
- 2 x SATA III, 6 x USB 2.0, 2 x USB 3.0, 3 x 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
- Supports Extended Temperature: -40°C ~ +85°C (Optional)
- Supports Standard Temperature: -5°C ~ 70°C (23°F ~ 158°F) (N4200/N3350)
- Dimension 70x70mm



Specifications

System

CPU	Intel Pentium N4200 4-Core Processor 2.5 GHz (Max Speed) Intel Celeron N3350 2-Core Processor 2.4 GHz (Max Speed) Intel Atom x7 E3950 4-Core Processor 2.0 GHz (Max Speed) Intel Atom x5 E3940 2-Core Processor 1.8 GHz (Max Speed) Intel Atom x5 E3930 2-Core Processor 1.8 GHz (Max Speed)
BIOS	AMI 128Mbit SPI BIOS
System Chipset	Intel® SoC
System Memory	Onboard DDR3L 1866 4GB Up to 8GB, support ECC (Optional)
Expansion	3 x PCIe x1
OS Support	Win 10, Linux, Android

Rear I/O

MIO KB/MS	2 x SATA III 1 x LPC 1 x SMBus 1 x I2C 1 x SPI
USB	6 x USB 2.0 2 x USB 3.0
Other	1 x UART

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
Multiple Display	HDMI + DDI
LCD Interface	CH7511B(eDP to LVDS)

Audio

HD Codec	Intel® Apollo lake SoC integrated
Audio Interface	Intel® High Definition Audio

Ethernet

LAN Chip	1 x Intel® I210IT
Ethernet Interface	10/100/1000 Base-Tx GbE compatible

Mechanical & Environment

Power Requirement	+5V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	QSeven Power Spec
Operating Temp	Standard supports -5°C ~ 70°C (23°F ~ 158°F) (N4200/N3350) Extended supports -40°C ~ 85°C (-40°F ~ 185°F) (E3900 series)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Form Factor	QSeven Module
Dimensions (L) x (W)	2.75" x 2.75" (70mm x 70mm)

Ordering Info

EQM-APL-N3350	Intel Celeron® N3350 Q7/4G DDR3L
REV-Q703	Mini-ITX Q7 Rev 2.1 Carrier Board, DP, HDMI, LVDS, 2 SATA, 1 COM, 1 LAN, 1 USB 3.0, 6 USB 2.0, SD Socket, 12V DC
ACC-EQMAPLN-SK-1R	Q7 Heatsink for EQM-APL, without Fan, H=24mm