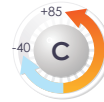
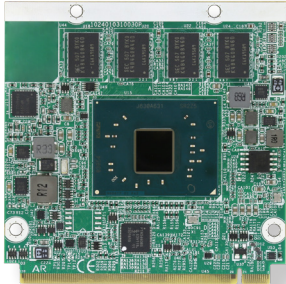


# EmQ-i2401



## Intel® Pentium N4200/Celeron N3350/Atom x7-E3950/ x5-E3940/E3930 Processor Qseven R2.0 CPU Module



### Features

- Soldered onboard Intel Apollolake SoC Processor
- Intergrated Gigabit Ethernet
- Dual Channel 24-bit LVDS and 1 x DDI port

### System

CPU	Soldered onboard Intel® Pentium® N4200 2.5GHz/ Celeron® N3350 2.4GHz/ Atom™ x7-E3950 1.6GHz/ x5-E3940 1.6GHz/ x5-E3930 1.3GHz processor
Memory	Soldered onboard 4GB DDR3L SDRAM, upgradable to 8GB
BIOS	AMI UEFI BIOS

### I/O

USB Port	4 x USB 2.0 ports 2 x USB 3.0 SuperSpeed ports
Expansion Bus	4 x PCIe1 lanes, I <sup>2</sup> C Interface, SDIO
Storage	2 x Serial ATA ports Soldered onboard eMMC 5.0 up to 32GB (OEM Request)
Ethernet Chipset	1 x Intel® Ethernet controller i21x series
Audio	HD link

### Display

Graphic Chipset	Intergrated in Intel® Gen9 graphic
Graphic Interface	Dual Channel 24-bit LVDS, with resolution up to 1920x1200 1 x DDI port

### OS support

Windows 10 64-bit  
Linux: Ubuntu

### Mechanical & Environmental

Power Requirement DC 5V, 5VSB

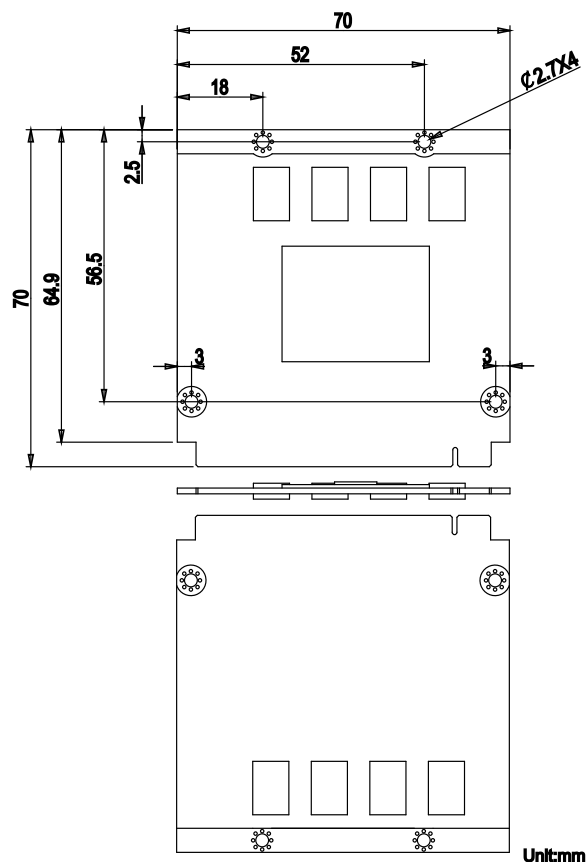
Power Consumption 2A@5V with N4200 (Typical with PBQ-900L)

Operating Temp. -20 ~ 85°C (-4 ~ 185°F)  
-20 ~ 70°C for EmQ-i2401D series  
-40 ~ 80°C for EmQ-i2401-WT series

Operating Humidity 10 ~ 95% @ 85°C (non-condensing)

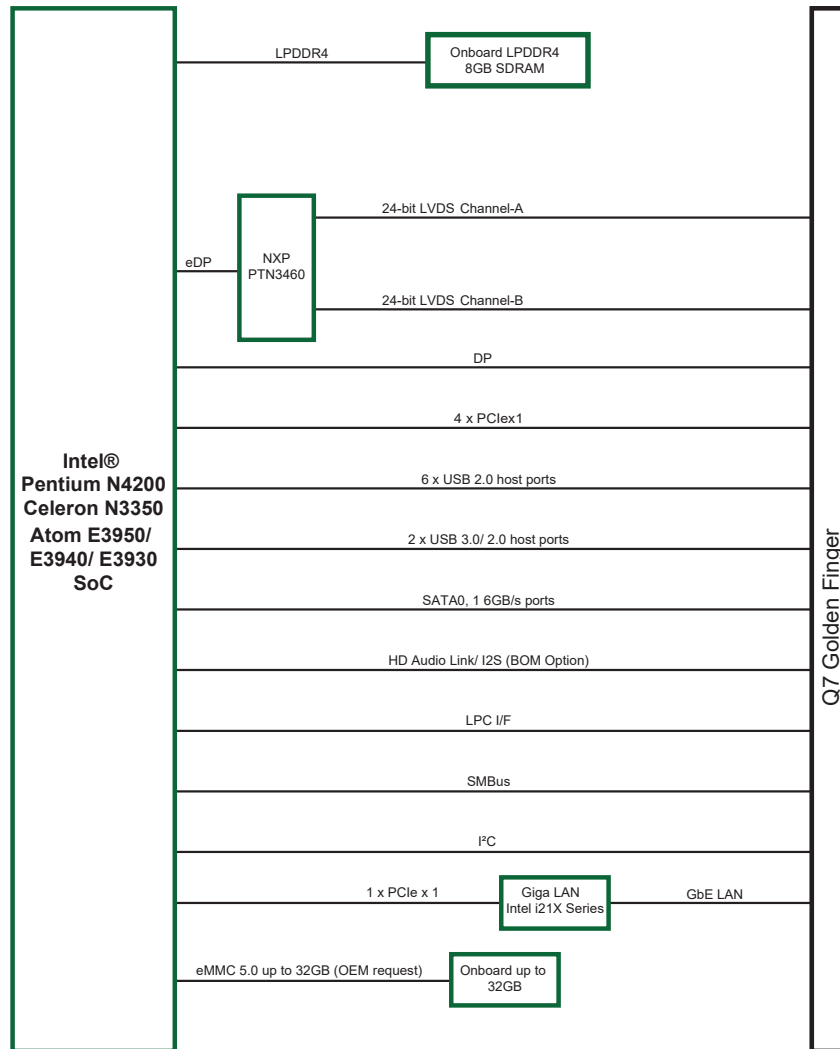
Dimensions (L x W) 70 x 70 mm (2.76" x 2.76")

### Dimensions



Unit:mm

## Block Diagram



## Ordering Information

EmQ-i2401-N4200	Intel® Pentium® N4200 Qseven R2.0 CPU module w/ 4G memory soldered on module, -20~85°C
EmQ-i2401-N3350	Intel® Celeron® N3350 Qseven R2.0 CPU module w/ 4G memory soldered on module, -20~85°C
EmQ-i2401D-N4200	Intel® Pentium® N4200 Qseven R2.0 CPU module w/ 4G memory soldered on module, w/ 32GB eMMC, -20~70°C (OEM Request)
EmQ-i2401D-N3350	Intel® Celeron® N3350 Qseven R2.0 CPU module w/ 4G memory soldered on module, w/ 32GB eMMC, -20~70°C (OEM Request)
EmQ-i2401-WT-E3950	Intel® Atom® x7-E3950 Qseven R2.0 CPU module w/ 4G memory soldered on module, w/ 32GB eMMC, -40~85°C (OEM Request)
EmQ-i2401-WT-E3940	Intel® Atom® x5-E3940 Qseven R2.0 CPU module w/ 4G memory soldered on module, w/ 32GB eMMC, -40~85°C (OEM Request)
EmQ-i2401-WT-E3930	Intel® Atom® x5-E3930 Qseven R2.0 CPU module w/ 4G memory soldered on module, w/ 32GB eMMC, -40~85°C (OEM Request)

## Optional Accessories

PBQ-900L	Qseven R2.0 w/ EPIC form factor carrier board
HS-2401-F1	Heat Spreader, W/PAD, 70*65*8mm for N-Series
HS-2401-F2	Heat Spreader, W/PAD, 70*65*8mm for E-Series
CBK-06-900L-00	Cable kit: 2 x COM cables 1 x USB cable 1 x SATA cable 1 x SATA Power cable 1 x Audio cable