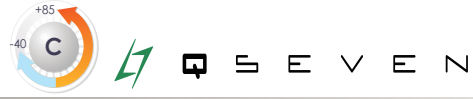
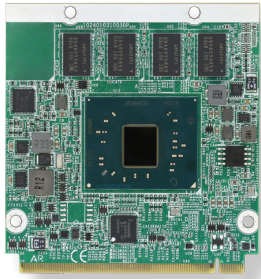




# EmQ-i2401



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



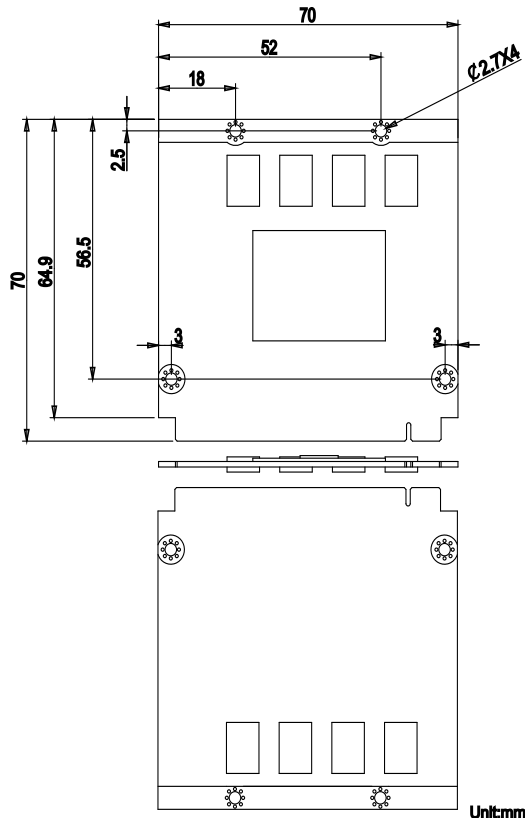
## Features

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

Computer on Module

<b>System</b>	
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
<b>I/O</b>	
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
<b>Display</b>	
Graphic Chipset	Intergrated in Intel® Gen9 graphic
Graphic Interface	Dual Channel 24-bit LVDS, with resolution up to 1920x1200 1 x DDI port
<b>OS support</b>	
Windows 10 64-bit Linux: Ubuntu	

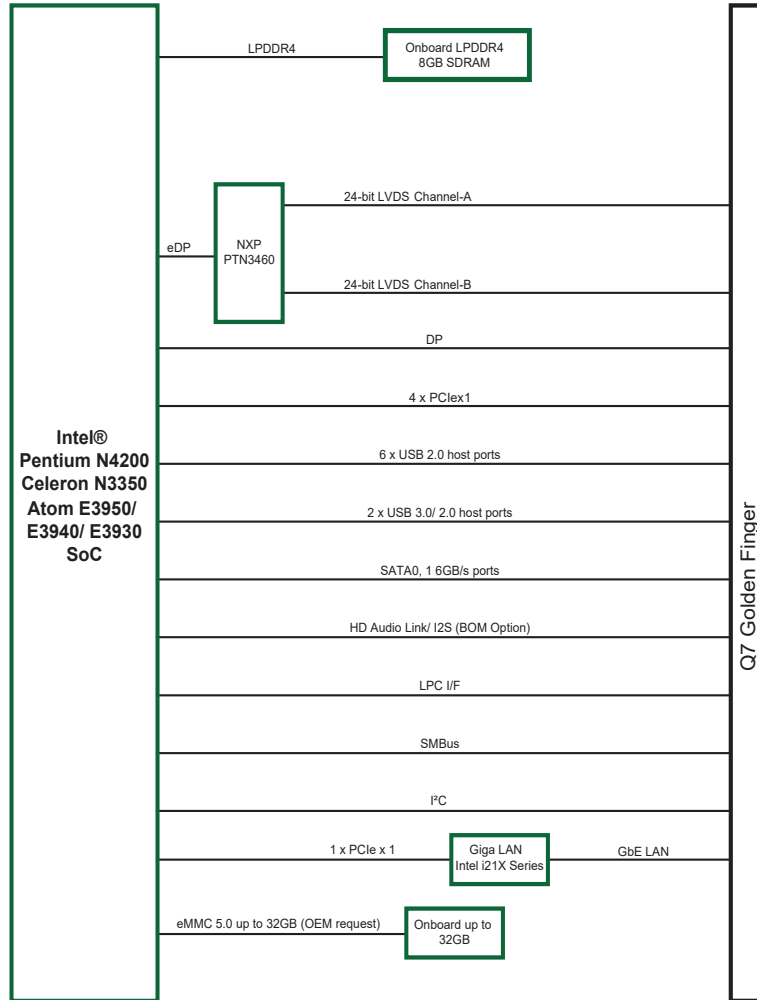
<b>Mechanical &amp; Environmental</b>	
Power Requirement	DC 5V, 5VSB
Power Consumption	2A@5V with N4200 (Typical with PBQ-900L)
Operating Temp.	-20 ~ 85°C (-4 ~ 185°F) -20 ~ 70°C for EmQ-i2401D series -40 ~ 85°C for EmQ-i2401-WT series
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimensions (L x W)	70 x 70 mm (2.76" x 2.76")
<b>Dimensions</b>	



All specifications are subject to change without notice.



**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-i2401-WT-E3950	Intel® Atom® x7-E3950 Qseven R2.0 CPU module w/ 4G memory soldered on module, -40~85°C
EmQ-i2401-WT-E3940	Intel® Atom® x5-E3940 Qseven R2.0 CPU module w/ 4G memory soldered on module, -40~85°C
EmQ-i2401-WT-E3930	Intel® Atom® x5-E3930 Qseven R2.0 CPU module w/ 4G memory soldered on module, -40~85°C

**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

## Assured Systems

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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