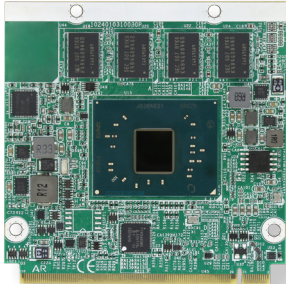


EmQ-i2401



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 ² 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

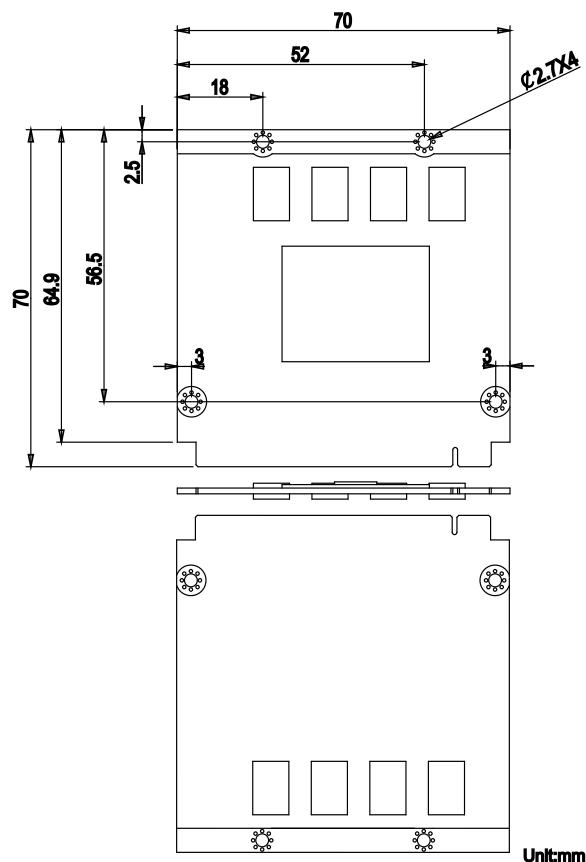
Power Consumption 2A@5V with N4200 (Typical with PBQ-900L)

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

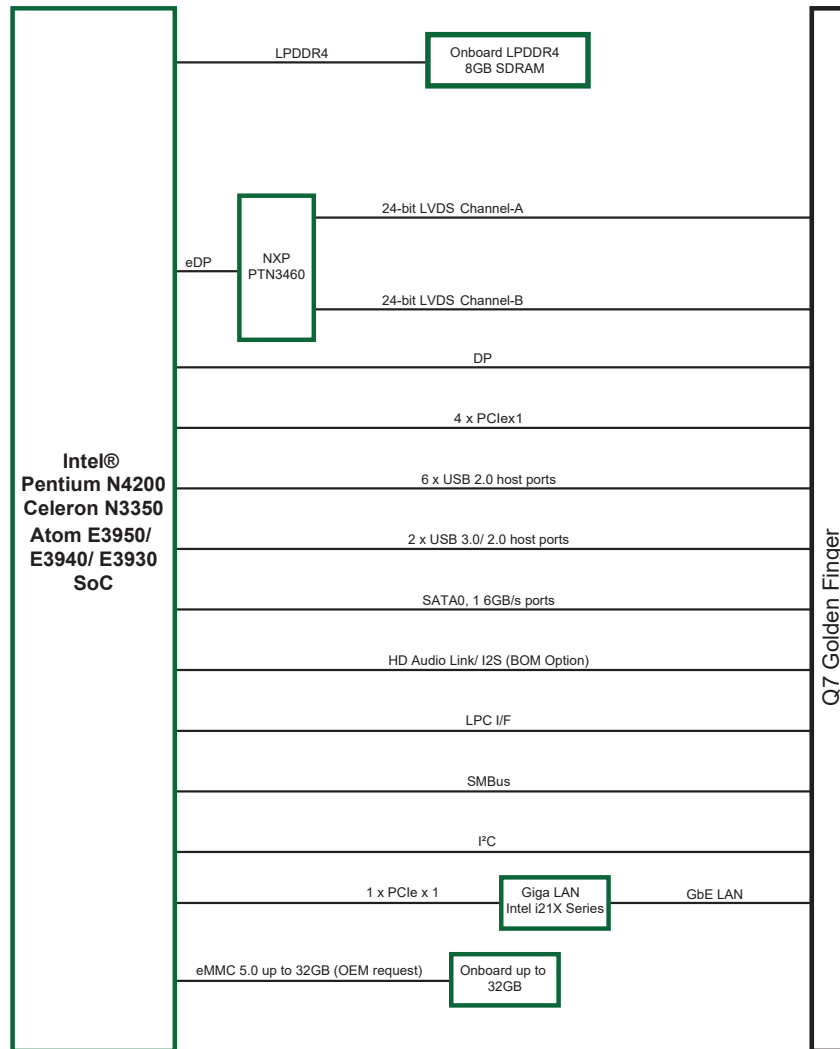
Operating Humidity 10 ~ 95% @ 85°C (non-condensing)

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

Dimensions



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 |