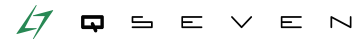




EmQ-i2200



Intel® Celeron Processor N3160 Qseven® R2.0 CPU Module



Features

- **Fanless Design**
- Soldered Onboard Intel® Celeron Processor N3160
- Integrated Gigabit Ethernet
- Dual Channels 24-bit LVDS, 1 x DisplayPort / HDMI selectable port
- **Extended Operating Temp.: -20 ~ 70°C**

System

Processor	Soldered onboard Intel® Celeron Processor N3160
Memory	Soldered onboard 4GB DDR3L SDRAM
BIOS	AMI BIOS

I/O

Serial Port	1 x UART port
USB 2.0	4 x USB 2.0 ports 2 x SuperSpeed ports
Serial ATA	2 x Serial ATA ports with 600MB/s HDD transfer rate
Expansion	3 x PCIe x1, SDIO, I2C
Ethernet Chipset	1 x Intel® i210AT PCIe GbE controller
Audio	HD Link

Display

Graphics Chipset	Integrated Intel® HD Graphic 400
Graphics Interface	LCD: Dual Channel 24-bit LVDS, with resolution up to 2048x1536 1 x DisplayPort / HDMI selectable port

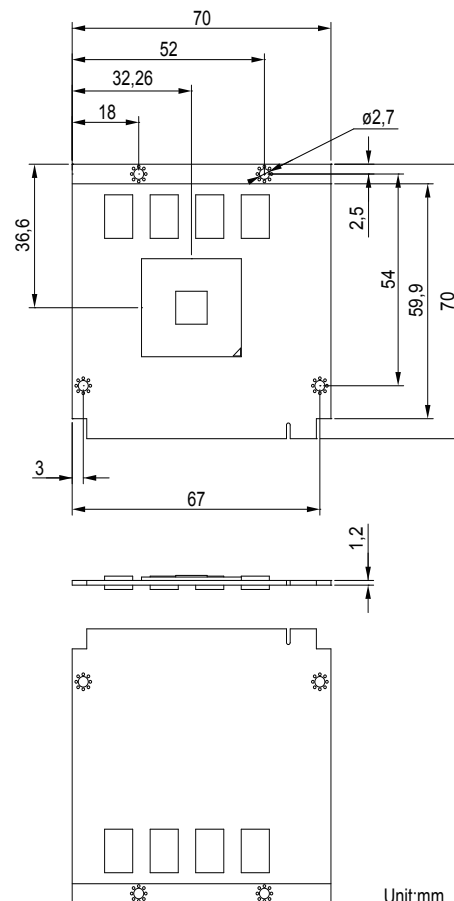
OS Support

Windows 8.1 64-bit
Linux: Ubuntu

Mechanical & Environmental

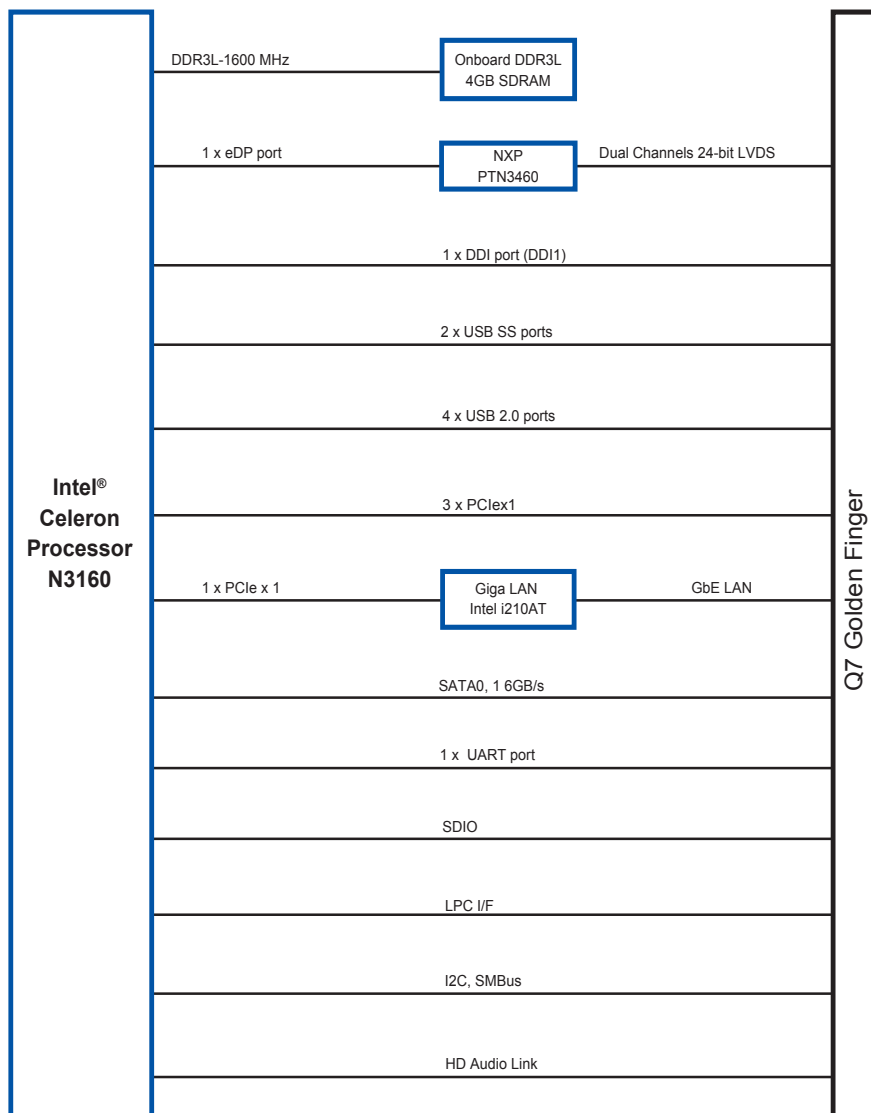
Power Requirement	DC 5V
Power Consumption	2A@5V with N3160 (Normal)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimension (L x W)	70 x 70 mm (2.76" x 2.76")

Dimensions





Block Diagram



Ordering Information

EmQ-i2200-N3160-4G Intel® Celeron N3160 Quad Core Qseven® R2.0 CPU Module w/4GB memory soldered on module

Optional Accessories

HS-2200-F1	Heat spreader
HS-0000-W3	Universal evaluation Heatsink for Qseven CPU module
PBQ-900L	Qseven R2.0 w/ EPIC form factor Carrier Board
CBK-06-900L-00	Cable kit 1 x USB cable 2 x COM cables 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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