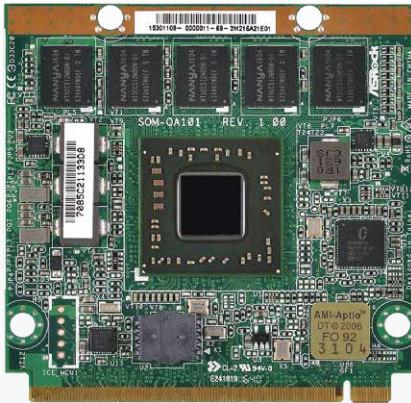


SOM-QA101



Spotlight Features

- AMD Embedded G-Series SOC processor
- Supports DDR3L 1333, up to 8GB
- 1 x HDMI , 1 x DP , 1 x LVDS (By Carrier Board)
- 1 x USB 3.0, 5 x USB2.0 , 2 x SATA3 (By Carrier Board)
- 3 x PCIe x1 slot (By Carrier Board)
- 1 x Mini-PCIe (By Carrier Board)
- 1 x mSATA (By Carrier Board)
- 2 x Intel LAN (By Carrier Board)
- 12~24V DC-in (By Carrier Board)

Specifications

Processor System

| | |
|------------|--------------------------|
| Dimensions | Qseven (2.8-in x 2.8-in) |
| CPU | GX-412HC, QC, 1.2GHz, 7W |
| Chipset | By CPU |

Expansion Slot

| | |
|-----------|---|
| PCIe | 3 x PCIe x1 (By Carrier Board) |
| Mini-PCIe | 1 x full / half size (By Carrier Board) |
| M.2 | N/A |
| mSATA | 1 x full size (By Carrier Board) |

Memory

| | |
|------------|---------------|
| Technology | DDR3L 1333MHz |
| Max. | 8GB |
| Socket | No |

Graphics

| | |
|---------------|--|
| Controller | Integrated AMD Radeon™ R3E Graphics |
| VGA | N/A |
| LVDS | Supports max resolution up to 1920 x 1200@60Hz |
| eDP | N/A |
| HDMI | Supports max resolution up to 4096 x 2160@24Hz |
| DVI | N/A |
| DisplayPort | Supports max resolution up to 4096 x 2160@60Hz |
| Multi Display | Dual Display |

Ethernet

| | |
|------------|------------------------------------|
| Interface | 10/100/1000 Mbps |
| Controller | 1 x Intel® I211 (By Carrier Board) |

Rear I/O

| | |
|-------------|--|
| VGA | N/A |
| DVI | N/A |
| HDMI | 1 (By Carrier Board) |
| DisplayPort | 1 (By Carrier Board) |
| Ethernet | 1 (By Carrier Board) |
| USB | 1 x USB3.0 , 5 x USB2.0 (By Carrier Board) |
| Audio Jack | 2 (By Carrier Board) |
| Serial | 2 x RS-232 (By Carrier Board) |
| PS/2 | 1 (By Carrier Board) |

Internal Connector

| | |
|---------------------|--------------------------------------|
| USB | N/A |
| LVDS | 1 (By Carrier Board) |
| eDP | N/A |
| VGA | N/A |
| Serial | N/A |
| SATA | 2 x SATA3 (By Carrier Board) |
| Parallel | N/A |
| GPIO | 4 x GPI + 4 x GPO (By Carrier Board) |
| SATA PWR Output Con | 1 (By Carrier Board) |
| Speaker Header | N/A |
| TPM | N/A |

Watchdog Timer

| | |
|----------|----------------------------------|
| Output | From Super I/O to drag RESETCON# |
| Interval | 256 segments, 0,1,2...255sec/min |

Power Requirements

| | |
|-----------|------------------|
| Input PWR | By Carrier Board |
| Power On | By Carrier Board |

Environment

| | |
|-----------------------|--------------|
| Operating Temperature | 0°C – 60°C |
| Storage Temperature | -40°C – 85°C |