

Preliminary

SOM-QA101



Spotlight Features

- AMD Stepe Eagle SoC
- Integrated AMD Radeon™ R3E Graphics
- Supports DDR3L 1333MHz, up to 8GB system memory
- 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)
- Gigabit LAN : 2 x IntelLAN (By Carrier Board)
- 12~24V DC-in (By Carrier Board)

Specifications

Processor System

Dimension	2.8-in x 2.8-in (70 mm x 70 mm)
CPU	AMD Stepe Eagle SoC
Core Number	(by CPU , Max 4)
Max Speed	(by CPU)
L2 Cache	(by CPU)
Chipset	(by CPU)
BIOS	UEFI

Expansion Slot

PCIe	3 x PCIe x1 slot, By Carrier Board
Mini PCIe	1 (half/full size), By Carrier Board
mSATA	1 (full size) shared with SATA2 , By Carrier Board

Memory

Technology	DDR3L 1333MHz
Max.	8GB
Socket	No

Graphics

Controller	Integrated AMD Radeon™ R3E Graphics
VRAM	Shared Memory
VGA	No
LVDS	Supports max resolution up to 1920 x 1200@60Hz
HDMI	Supports max resolution up to 4096 x 2160@24Hz
DVI	No
DisplayPort	Supports max resolution up to 4096 x 2160@60Hz
Multi Display	Yes (Dual Display)

Ethernet

Interface	10/100/1000 Mbps
Controller	1 x Intel® I211
Connector	1 x RJ45 , By Carrier Board

SATA

Max Data Transfer Rate	SATA3 (6.0Gb/s)
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Rear I/O

VGA	0
DVI	0
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	2 (Mic-in , Line-out) , By Carrier Board
Serial	2 (only RS-232) , By Carrier Board
PS/2	1 x PS/2 combo , By Carrier Board

Internal Connector

USB	0
LVDS/Inverter	1/1 , By Carrier Board
VGA	0
Serial	0
SATA	2 x SATA3 (6.0Gb/s) (1 x shared with mSATA) , By Carrier Board
mPCIe	1 , By Carrier Board
Parallel	0
mSATA	1 , By Carrier Board
IrDA	0
GPIO	4GPI + 4GPO , By Carrier Board
SATA PWR Output Con	1 , By Carrier Board
Speaker Header	0

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
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