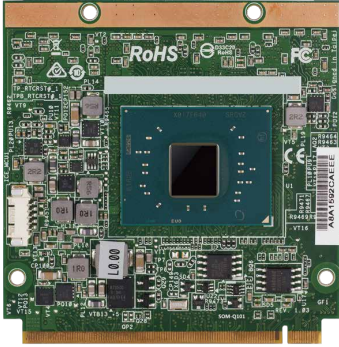


SOM-Q101D

Qseven

KEY FEATURES

- Intel® Apollo Lake - I
- support LPDDR4 2400MHz, single/Dual/Quad channel, up to 4GB
- 1 x eDP channel, 1x DDI0 channel
- 2 x USB 3.0 signals, 6 x USB 2.0 signals, 1x TX/RX signal
- 1 x Intel LAN I210-IT



SPECIFICATIONS

Form Factor

Dimensions	Qseven (70x70x6.45mm)
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Processor System

CPU	Intel® Apollo Lake - I, N4200
Chipset	integrated SoC
Socket	N/A
BIOS	AMI SPI 128 Mbit

Memory

Technology	Single / Dual / Quad Channel LPDDR4,2400MHz
Capacity	4GB
Socket	N/A

Graphics

Controller	Intel® HD Graphics 505
HDMI	N/A
DisplayPort	DDI0 signal support DP++
VGA	N/A
LVDS	N/A
eDP	eDP signal support (4 Lanes)
DVI	N/A
MultiDisplay	Dual Display

Expansion Slot

PCIe	4x PCIe x1 Gen2 signal
PCI	N/A
Mini-PCIe	N/A
M.2	N/A
SIM Socket	N/A

Audio

Interface	Intel® HD Audio integrated in SoC On carrier MB (ALC233)
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Ethernet

Controller/ Speed	1 x Intel® I210 IT, with 10/100/1000 Mbps
Connector	N/A

Internal Connector

USB	2 x USB 3.0 signal 6 x USB 2.0 signal
COM	TX/RX signal(1 UART signal)
Parallel	N/A
GPIO	N/A
TPM	N/A
LVDS	N/A
eDP	N/A
VGA	N/A
SATA PWR Output	N/A
Speaker Header	N/A

Storage

M.2	N/A
mSATA	N/A
SATA	2 x SATA3 (6Gb/s) signal to Carrier board
eMMC	N/A

Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 Segments, 0, 1, 2, ...255sec

Power Requirements

Input PWR	N/A
Power On	N/A

Environment

Operating Temp	0°C - 60°C
Storage Temp	-40° C - 85° C
Operating Humidity	5% - 90%
Storage Humidity	5% - 90%

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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