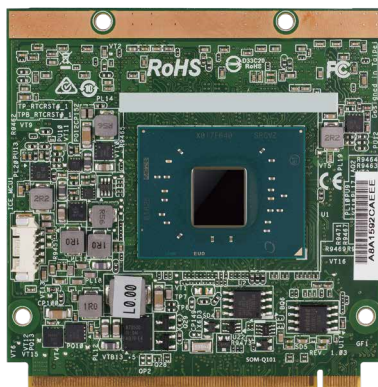# SOM-Q101D

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)

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 PCIEx1 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)

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