

Preliminary

CAB-IVI701

QSeven Carrier Motherboard

Coming Soon

KEY FEATURES

- Supports QSeven Module
- 1 x PCIe x2 (Gen3), 1 x USB 3.2 Gen1, 2, USB 2.0, 1 x USB 2.0 OTG, 1 x M.2 Key B, 1 x M.2 Key M, 1 x M.2 Key E, 2 x COM, 2 x SATA3
- 1 x Realtek Gigabit LAN
- 1 x HDMI 2.0a or 1 x DP 1.2, 1 x LVDS or 1 x eDP, 2 x MIPI-CSI (By CPU Board)
- 1 x SIM Socket
- 1 x SD Slot
- 20V, 3A with USB Type-C

SPECIFICATIONS

Form Factor

Dimensions (LxWxH)	Micro ATX (9.6-in x 9.6-in)
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Processor System

CPU	By CPU Board
Chipset	By CPU Board
BIOS	AMI SPI 128 Mbit (For x86 CPU)

Memory

Technology	By CPU Board
Capacity	By CPU Board

Graphics

Controller	By CPU Board
HDMI	By CPU Board (shared with internal Display Port, by CPU Board)
DisplayPort	By CPU Board (shared with internal HDMI, by CPU Board)
LVDS	By CPU Board, up to Dual channel 24 bit up to 1920x1080 (shared with internal eDP, by CPU Board)
eDP	By CPU Board (shared with internal LVDS, by CPU Board)
MIPI	2 x MIPI-CSI (By CPU Board)

Expansion Slot

PCIe	1 x PCIe x2 (Gen3)
M.2	1 x M.2 (Key B, 3042 / 3052) (PCIe x1 Gen3 + 1 x USB 3.2 Gen1 + 1 x USB 2.0) 1 x M.2 (Key M, 2242/2260/2280) (PCIe x1) 1 x M.2 (Key E, 2230) (PCIe x1 + 1 x USB 2.0)
SIM Socket	1 x Socket connected to M.2 Key B

Audio

Interface	Nuvoton NAU88U22A, High Definition Audio Mic-In, Line-Out
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Ethernet

Controller/ Speed	By CPU Board
Connector	1 x RJ-45

Rear I/O

HDMI	1 x HDMI 2.0a
DisplayPort	1 x DP 1.2
Ethernet	1 x 1 Gigabit LAN
USB	1 x USB 3.2 (GEN1) 2 x USB 2.0 1 x USB 2.0 OTG
Audio	2 (Mic-in, Line-out)
COM	2 x COM (RS485)

Internal Connector

LVDS	1
eDP	1
SATA PWR Output	1
Speaker Header	1
Audio Header	1
MIPI	2 x MIPI-CSI

Storage

M.2	1 x M.2 (Key M, 2242/2260/2280) with PCIe x1 Gen3
SATA	2 x SATA3 (6Gb/s)
SD Slot	1

Power Requirements

Input PWR	20V, 3A with USB Type-C connector
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Environment

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

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