



Key Features

- AMD Ryzen™ Embedded V-Series
- Supports Dual Channel DDR4 SO DIMM 2400MT/s, up to 32GB
- 2 x Displayport, 1 x HDMI
- 3 x USB 3.1, 2 x USB 2.0, 1 x SATA3, 1 x COM
- 1 x M.2 KEY M, 1 x M.2 KEY E
- 2 x Realtek LAN
- 1 x LPC header
- 12V DC-In

Specifications

Processor System

Dimensions	4X4 (4.09-in x 4.02-in)
CPU	AMD Ryzen™ Embedded V-Series -4X4-V1000M(V1605B, QC, 2GHz, 12-25W)
Chipset	SOC

Expansion Slot

PCIe	N/A
Mini-PCIe	N/A
M.2	1 x Key M (2242/2260/2280) with PCIe x1 and SATA3 for SSD 1 x Key E (2230) with PCIe x1 and USB 2.0 for Wireless
mSATA	N/A

Memory

Technology	Dual Channel DDR4 2400MT/s
Max	32GB
Socket	2 x SO DIMM

Graphics

VGA	N/A
LVDS	N/A
eDP	N/A
HDMI	Supports HDMI 2.0, max resolution 4Kx 2K@60Hz
DVI	N/A
DisplayPort	DisplayPort 1.4 with max resolution up to 4096 x 2160@ 60Hz
Multi Display	Triple Display

Ethernet

Interface	10/100/1000 Mbps
Controller	2 x Realtek RTL8111G

Front I/O

Audio	1 (Mic-in, Line-out)
USB	1 x USB3.1

Rear I/O

VGA	N/A
DVI	N/A
HDMI	1
DisplayPort	2
Ethernet	2
USB	2 x USB 3.1
Audio Jack	N/A
Serial	N/A
PS/2	N/A

Internal Connector

USB	2 x USB 2.0 (Header)
LVDS	N/A
eDP	N/A
VGA	N/A
Serial	1 x COM(RS-232/422/485)
SATA	1 x SATA3 (6.0 Gb/s)
Parallel	N/A
GPIO	N/A
SATA PWR Output Con	1
Speaker Header	N/A
TPM	N/A

Watchdog Timer

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

Power Requirements

Input PWR	12V only
Power On	AT/ATX Supported AT : Directly PWR on as Power input ready Environment ATX: Press Button to PWR on after Power input ready

Environment

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