

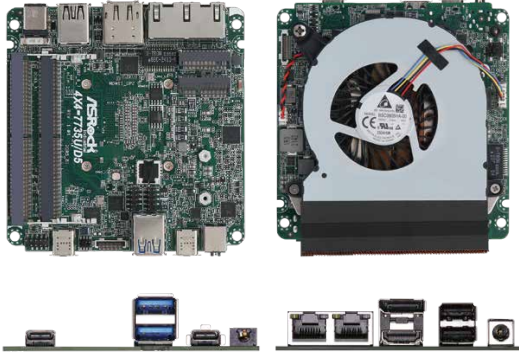
# 4X4 7000/D5 Motherboard Series

## 4X4-7735U/D5, 4X4-7535U/D5

### 4X4 Motherboard

#### KEY FEATURES

- AMD Ryzen™ 7 7735U/ Ryzen™ 5 7535U
- 2 x 262-pin SO-DIMM up to 64GB DDR5 4800 MHz
- 2 x USB4, 2 x USB 3.2 Gen2, 2 x USB 2.0, 1 x M.2 Key M, 1 x M.2 Key E, 1 x COM, 1 x SATA3
- 1 x Realtek 1 Gigabit LAN (support DASH), 1 x Realtek 2.5 Gigabit LAN
- Supports Quad display, 1 x HDMI 2.1, 3 x DP 1.4a (2 from Type C)
- TPM 2.0 onboard IC
- 12V~19V DC-In



#### SPECIFICATIONS

##### Form Factor

Dimensions	4X4 (4.09-in x 4.02-in x 1.4-in, 10.4 cm x 10.2 cm x 3.6 cm)
------------	--

##### Processor System

CPU	AMD Ryzen™ 7 7735U (Max Speed up to 4.75GHz) AMD Ryzen™ 7 7535U (Max Speed up to 4.55GHz)
Chipset	SoC
BIOS	AMI SPI 256 Mbit

##### Memory

Technology	Dual Channel DDR5 4800 MHz
Capacity	64GB (32 GB per DIMM)
Socket	2 x 262-pin SO-DIMM

##### Graphics

Controller	AMD Radeon™ Graphics
HDMI	HDMI 2.1 Max resolution up to 7680 x 4320@60Hz
DisplayPort	DisplayPort 1.4a, DP++ Max resolution up to 4096x2160@60Hz
MultiDisplay	Max 4 display (Included 2 outputs from type C)

##### Expansion Slot

M.2	1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 for Wireless
-----	--

##### Audio

Interface	Realtek ALC233, High Definition Audio.
-----------	--

##### Ethernet

Controller/ Speed	LAN1: Realtek RTL8125BG with 10/100/1000/2500 Mbps LAN2: Realtek RTL8111EPV with 10/100/1000 Mbps, support DASH function
Connector	2 x RJ-45

##### Front I/O

USB	2 x USB 3.2 Gen2 (Type A) 2 x USB4 (Type C, Supports DP1.4a display output)
Audio	1 (headphone & microphone jack)

##### Rear I/O

HDMI	1 x HDMI 2.1
DisplayPort	1 x DP1.4a
Ethernet	1 x 1 Gigabit LAN, 1 x 2.5 Gigabit LAN
USB	2 x USB 2.0
DC Jack	1

##### Internal Connector

USB	2 x USB2.0 (1 x 2.00mm pitch header)
COM	1 x COM(RS-232/422/485)
TPM	TPM 2.0 onboard IC

##### Storage

M.2	1 x M.2 (KEY M, 2242/2260/2280) with PCIe Gen4 x 4 for SSD *M.2 Key M 2280(Supported by bracket)
SATA	1 x SATA3.0 (6.0 Gb/s)

##### Watchdog Timer

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

##### Power Requirements

Input PWR	12V~19V DC-In Jack
Power On	AT/ATX Supported - AT : Directly PWR on as power input ready - ATX : Press button to PWR on after power input ready

##### 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.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660