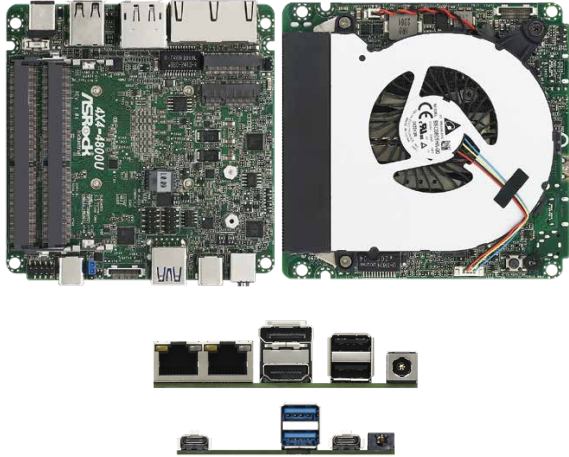




### 4X4-4800U/ 4X4-4500U/ 4X4-4300U

#### 4X4 Motherboard

#### KEY FEATURES



- AMD Ryzen™ 7 4800U/ Ryzen™ 5 4500U/ Ryzen™ 3 4300U
- 2 x 260-pin SO-DIMM up to 64GB DDR4 3200 MHz
- 4 x USB 3.2 Gen2, 4 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 2.0, 3 x DP 1.2a (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) |
|------------|-------------------------|

##### Processor System

|         |                                                                                                                                           |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------|
| CPU     | AMD Ryzen™ 7 4800U (Max Speed up to 4.2GHz)<br>AMD Ryzen™ 5 4500U (Max Speed up to 4.0GHz)<br>AMD Ryzen™ 3 4300U (Max Speed up to 3.7GHz) |
| Chipset | SoC                                                                                                                                       |
| BIOS    | AMI SPI 128 Mbit                                                                                                                          |

##### Memory

|            |                            |
|------------|----------------------------|
| Technology | Dual Channel DDR4 3200 MHz |
| Capacity   | 64GB (32 GB per DIMM)      |
| Socket     | 2 x 260-pin SO-DIMM        |

##### Graphics

|              |                                                               |
|--------------|---------------------------------------------------------------|
| Controller   | AMD Radeon™ Graphics                                          |
| HDMI         | HDMI 2.0a<br>Max resolution up to 4096x2160@60Hz              |
| DisplayPort  | DisplayPort 1.2a, DP++<br>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<br>LAN2: Realtek R8111EPV (DASH) with 10/100/1000 Mbps |
| Connector         | 2 x RJ-45                                                                                                 |

##### Front I/O

|       |                                                                                         |
|-------|-----------------------------------------------------------------------------------------|
| USB   | 2 x USB 3.2 Gen2 (Type A)<br>2 x USB 3.2 Gen2 (Type C) (Supports DP1.2a display output) |
| Audio | 1 (headphone & microphone jack)                                                         |

##### Rear I/O

|             |                                        |
|-------------|----------------------------------------|
| HDMI        | 1 x HDMI 2.0a                          |
| DisplayPort | 1 x DP1.2a                             |
| 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 x4 and SATA3 for SSD<br>*M.2 Key M 2280(Supported by bracket) |
| SATA | 1 x SATA3.0 (6.0 Gb/s)                                                                                  |

##### Watchdog Timer

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

##### Power Requirements

|           |                                                                                                                           |
|-----------|---------------------------------------------------------------------------------------------------------------------------|
| Input PWR | 12V~19V DC-In Jack                                                                                                        |
| Power On  | AT/ATX Supported<br>- AT : Directly PWR on as power input ready<br>- 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%       |

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