

Fanned BOX



KEY FEATURES

- AMD Ryzen™ 4000U-Series
(4X4 BOX-4800U/4X4 BOX-4500U/4X4 BOX-4300U)
- 2 x 260-pin SO-DIMM up to 64GB DDR4 3200 MHz
- 3 x USB 3.2 Gen2, 2 x USB 2.0, 1 x M.2 Key M, 1 x M.2 Key E (WiFi-6), 1 x SATA3
- 1 x Realtek 1 Gigabit LAN (support DASH), 1 x Realtek 2.5 Gigabit LAN
- Supports Quad display, 1 x HDMI 2.0a, 3 x DP 1.2a (2 from Type C)
- TPM 2.0 onboard IC
- 19V/90W Power Adapter
- 110.0 x 117.5 x 47.85mm, Fanned Barebone

SPECIFICATIONS

Processor System

| | |
|---------|--|
| CPU | 4X4 BOX-4800U (AMD Ryzen™ 7 4800U, 8Cores, Max Speed up to 4.2GHz) 4X4 BOX-4500U (AMD Ryzen™ 5 4500U, 6Cores, Max Speed up to 4.0GHz) 4X4 BOX-4300U (AMD Ryzen™ 3 4300U, 4Cores, Max Speed up to 3.7GHz) |
| Chipset | SoC |
| BIOS | AMI SPI 128 Mbit |

Memory

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

Graphics

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|--------------|---|
| Controller | AMD Radeon™ Graphics |
| HDMI | HDMI 2.0a Max resolution up to 4096x2160@60Hz |
| DisplayPort | DisplayPort 1.2a, DP++ Max resolution up to 4096x2160@60Hz |
| MultiDisplay | Max 4 display (Included 2 outputs from Type C) |

Expansion Slot

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|----------|--|
| M.2/WLAN | 1 x Wi-Fi 6 802.11ax (2.4Gbps) + BT 5.0 (M.2 Key E, 2230 PCIe x1, USB 2.0 for Wireless) |
|----------|--|

Audio

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

Ethernet

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|-------------------|--|
| Controller/ Speed | LAN1: Realtek RTL8125BG with 10/100/1000/2500 Mbps LAN2: Realtek R8111FPV with 10/100/1000 Mbps, support DASH function |
| Connector | 2 x RJ-45 |

Storage

| | |
|------|---|
| M.2 | 1 x M.2 (KEY M, 2242/2260/2280) with PCIe x4 and SATA3 for SSD *M.2 Key M 2280(Supported by bracket) |
| SATA | 1 x SATA3.0 (6.0 Gb/s) |

Front I/O

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|-------|--|
| USB | 1 x USB 3.2 Gen2 (Type A) 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 |

Watchdog Timer

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

Power Requirements

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|-----------|---|
| Input PWR | 1 x 19V/90W Power Adapter |
| 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 ~ 40°C |
| Storage Temp | -40° C – 85° C |
| Operating Humidity | 5% ~ 90% |
| Storage Humidity | 5% ~ 90% |

Mechanical

| | |
|------------------------|-------------------------|
| Construction | Plastic |
| Mounting | VESA mounting |
| Dimensions (W x D x H) | 110.0 x 117.5 x 47.85mm |
| Weight | Net Weight: 1kg |

Others

| | |
|----------------|--|
| OS Support | Windows 10 |
| TPM | TPM 2.0 onboard IC |
| Certifications | CE, FCC Class A |
| Packing List | 1 x 19V/90W Power Adapter 1 x Screw Package 1 x Product DVD 1 x VESA mounting bracket 1 x Bracket for M.2 2280 support |