



## uATX-RYZEN

Micro-ATX with AMD® Ryzen3/ Ryzen2 Processor, Dual channel DDR4 memory, PCIe slot, 6 x COM, 10 x USB, 4 x SATA 6Gb/s

### Key Features

- Micro ATX form factor
- Supports AMD Ryzen 3/ Ryzen 2 Processors
- AMD B450
- Dual Channel DDR4, 4 x DIMMs
- 2 x GbE LAN ports
- 4 x SATA 6Gb/s ports
- HDMI, Display Port, D-Sub ports for multiple display
- 1 x RS232/422/485/5V/12V/RI COM port
- 5 x RS232 COM ports

### Application

- NAS
- KIOSK / POS
- Industrial PC
- Automation
- DVR / Surveillance
- Gaming
- Healthcare

## SPECIFICATION

Micro-ATX with AMD® Ryzen 3 / Ryzen2 Processors, Dual channel DDR4 memory, PCIe slot, 6 x COM, 10 x USB, 4 x SATA 6Gb/s

<b>FORM FACTOR</b>	Micro ATX 244W x 244D(mm)
<b>CPU</b>	Support AMD 3rd Gen/2nd Gen/1st Gen Ryzen™ CPU/APU AM4 µPGA (Matisse/Picasso/Raven2/Pinnacle/Raven/Summit Ridge) TDP under 95W
<b>SOCKET</b>	1 x Socket AM4
<b>CHIPSET</b>	AMD B450
<b>MEMORY</b>	4 x DDR4 DIMM sockets, Max. Capacity 64GB Dual channel memory architecture Support DDR4 2667/2400/2133 MHz
<b>ETHERNET</b>	2 x GbE LAN ports (Realtek® RTL8111HS)
<b>VIDEO</b>	Integrated Graphics Process - Radeon™ Vega 11/8/3 Graphics 1 x HDMI 1.4 1 x Display Port 1 x D-Sub (3 independent display outputs)
<b>AUDIO</b>	Realtek ALC269 High Definition Audio
<b>STORAGE</b>	4 x SATA 6Gb/s ports
<b>EXPANSION SLOTS</b>	1 x PCIe x16 (Gen3 x16 bus) slot 1 x PCIe x4 (Gen2 x2 bus) slot 2 x PCIe x1 (Gen2 x1 bus) slot  1 x M.2 slot: - M-key - PCIe x4 (SATA 6Gb/s) - Supports NGFF-2240/2260/2280/22110 cards
<b>INTERNAL I/O</b>	1 x 24-pin ATX main power connector 1 x 4-pin ATX 12V power connector 4 x USB 2.0 headers 4 x SATA 6Gb/s connectors 1 x CPU fan header 2 x System fan headers 1 x Front panel audio header 1 x 2W Speaker header

	<ul style="list-style-type: none"> <li>5 x COM headers (RS-232)</li> <li>1 x Clear CMOS jumper</li> <li>1 x GPIO (4 in/ 4 out)</li> <li>1 x PS/2 KB/MS Connector</li> <li>2 x USB3.0 headers</li> <li>1 x Buzzer</li> </ul>
<b>REAR I/O</b>	<ul style="list-style-type: none"> <li>2 x RJ45</li> <li>1 x COM (RS-232/422/485 and RI/5V/12V)</li> <li>1 x HDMI</li> <li>4 x USB3.0</li> <li>1 x Display Port</li> <li>1 x D-Sub</li> <li>3 x Audio jacks (Line in, Line out, Mic in)</li> <li>1 x USB3.1 Gen2</li> <li>1 x USB3.1 Gen2 (Type C)</li> </ul>
<b>TPM</b>	<ul style="list-style-type: none"> <li>1 x TPM header</li> </ul>
<b>OS COMPATIBILITY</b>	Windows 10 (x64)
<b>PSU CONNECTORS</b>	<ul style="list-style-type: none"> <li>1 x 24-pin ATX power connector</li> <li>1 x 4-pin 12V ATX auxiliary power connector</li> </ul>
<b>OPERATING PROPERTIES</b>	<ul style="list-style-type: none"> <li>Operating temperature: 0°C to 60°C</li> <li>Operating humidity: 0-90% (non-condensing)</li> <li>Non-operating temperature: -20°C to 70°C</li> <li>Non-operating humidity: 0%-95% (non-condensing)</li> </ul>
<b>PACKAGING CONTENT</b>	<ul style="list-style-type: none"> <li>Bulk Packing Capacity: 20pcs</li> <li>Carton size: 609 x 581 x 362(mm)</li> <li>Content:</li> <li>IO Shield x 1 (12AIO-MZRYZ0-00R)</li> </ul>
<b>ORDER INFORMATION</b>	Motherboard: 9MZRYZBMNR-SI