

# H13SVW-N

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**H13 UP WIO Server Board**

## Key Features

- AMD EPYC™ 8004 series Processors
- System on Chip
- Up to 768GB ECC RDIMM, DDR5-4800MHz in 6 DIMM slots
- 2 PCIe 5.0 x16 via Riser Slot 1 PCIe 5.0 x 16 via Riser Slot
- 2x 1GBase-T LAN Ports via Broadcom BCM5720L
- Up to 6 USB 3.0 ports(4 rear + 2 via header)
- 3 PCIe 5.0 x8 MCIO connectors
- 8 SATA3 / PCIe 5.0 Hybrid via 2 PCIe 5.0 x8 MCIO
- 6 PWM 4-pin Fans with tachometer status monitoring
- M.2 Interface: 2 PCIe 3.0 x4M.2 Form Factor: 2280, 22110

## Specifications

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| <b>Product SKUs</b><br><b>MBD-H13SVW-N</b>                                                                                                                                                                                                                                                                                          |
| <b>Physical Stats</b><br><b>Form Factor</b><br>Proprietary WIO<br><b>Dimension</b><br>8.15" x 13.05" (20.7cm x 33.15cm)                                                                                                                                                                                                             |
| <b>Processor</b><br><b>CPU</b><br>Single Socket SP6<br>AMD EPYC™ 8004 series Processors<br><b>Core Count</b><br>Up to 64C/128T<br><b>Note</b><br>Supports up to 225W TDP CPUs                                                                                                                                                       |
| <b>System Memory</b><br><b>Memory</b><br>Slot Count: 6 DIMM Slots<br>Max Memory (1DPC): Up to 768GB<br>4800MT/s ECC DDR5 RDIMM<br><b>DIMM Sizes</b><br>RDIMM:16GB, 32GB, 64GB, 96GB, 128GB<br><b>Memory Voltage</b><br>1.1V<br><b>Error Detection</b><br>Corrects single-bit errors<br>Detects double-bit errors (using ECC memory) |
| <b>On-Board Devices</b><br><b>Chipset</b><br>System on Chip<br><b>Network Controller</b><br>Dual LAN with Broadcom BCM5720<br>1GBase-T<br>Single LAN with Realtek RTL8211F PHY                                                                                                                                                      |
| <b>Input / Output</b><br><b>USB</b><br>2 USB 3.0 port(s) (Header)<br>4 USB 3.0 port(s)<br><b>Video</b><br>1 VGA port(s)<br><b>TPM</b><br>1 TPM header<br><b>Others</b><br>2 MCIO (PCIe 5.0 x8/SATA3) Hybrid port(s)<br>3 MCIO (PCIe 5.0 x8) port(s)                                                                                 |

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| <b>Expansion Slots</b><br><b>PCI-Express (PCIe)</b><br><b>Configuration</b><br>1 PCIe 5.0 x16 Right Riser slot<br>1 PCIe 5.0 x32 Left Riser slot<br><b>M2</b><br>2 M.2 PCIe 5.0 x4 NVMe slots (M-key 2280/22110) |
| <b>System BIOS</b><br><b>BIOS Type</b><br>AMI 32MB SPI Flash EEPROM<br><b>BIOS Features</b><br>ACPI 6.4<br>Plug and Play (PnP)<br>SMBIOS 3.5 or later<br>UEFI 2.8<br>USB Keyboard support                        |
| <b>Management</b>                                                                                                                                                                                                |