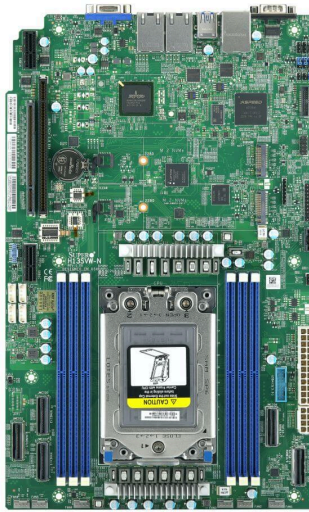# H13SVW-N

WIO UP 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 x4 **M.2 Form Factor:** 2280, 22110

Specifications

Product SKUs
MBD-H13SVW-N

Physical Stats
Form Factor
Proprietary WIO
Dimension
8.15" x 13.05" (20.7cm x 33.15cm)

Processor
CPU
AMD EPYC™ 8004 series Processors
Single Socket SP6 supported, CPU TDP
supports Up to 225W TDP
Core
Up to 64 cores, 128 threads

System Memory
Memory Capacity
6 DIMM slots
Up to 768GB ECC Registered RDIMM,
DDR5-4800MT/s
Memory Type
4800 MT/s ECC DDR5
Max Memory (1DPC): Up to 768GB
4800MT/s ECC DDR5 RDIMM
DIMM Sizes
16GB, 32GB, 64GB, 96GB, 128GB
Memory Voltage
1.1V
Error Detection
Corrects single-bit errors
Detects double-bit errors (using ECC
memory)

On-Board Devices
Chipset
System on Chip
Network Controllers
Dual LAN with Broadcom BCM5720
1GBase-T
Single LAN with Realtek RTL8211F PHY

Input / Output
USB
6 USB 3.0 port(s) (4 USB; 2 via header)
Video Output
1 VGA port(s)
TPM
1 TPM Header
Others
3 MCIO (PCIe 5.0 x8) Port(s)
2 MCIO (PCIe 5.0 x8/SATA3) Port(s)

Expansion Slots
PCIe
1 PCIe 5.0 x16 Right Riser Slot,
1 PCIe 5.0 x32 Left Riser Slot
M.2
M.2 Interface: 2 PCIe 3.0 x4
Form Factor: 2280/22110
Key: M-Key

System BIOS
BIOS Type
AMI 32MB SPI Flash EEPROM
BIOS Features
ACPI 6.4
SMBIOS 3.5 or later
UEFI 2.8
Plug and Play (PnP)
USB Keyboard support

Management
Software
SuperCloud Composer®
(/en/solutions/management-
software/supercloud-composer),
Supermicro Server Manager (SSM)
(/en/solutions/management-
software/supermicro-server-
manager), Supermicro Power
Manager (SPM)
(/en/solutions/management-
software/supermicro-power-
manager), Supermicro Update
Manager (SUM)
(/en/solutions/management-
software/supermicro-update-
manager), Supermicro
SuperDoctor® 5 (SD5)
(/en/solutions/management-
software/superdoctor), Super
Diagnostics Offline (SDO)
(/en/solutions/management-
software/super-diagnostics-
offline), Supermicro Thin-Agent
Service (TAS)
(/en/solutions/management-
software/thin-agent-service),
SuperServer Automation Assistant
(SAA) New!
(/en/solutions/management-
software/superserver-
automation-assistant), Plug-ins
for 3rd Party Software
(/en/solutions/management-
software/plugins), IPMI Utilities
(/en/solutions/management-
software/ipmi-utilities)

PC Health Monitoring
Voltage
VBAT, Memory temperature, CPU
temperature, 3.3V standby, +5V standby,
+5V, +3.3V, +12V, VRM temperature, CPU
thermal trip support, 1.8V standby
LED
UID/Remote UID
BMC/IPMI Heartbeat LED
Other Features
RoT
FAN
6x 4-pin fan headers (up to 6 fans)

Operating Environment
**Operating Temperature
Range**
10°C - 35°C (°F - °F)
**Non-Operating
Temperature Range**
-40°C - 70°C (°F - °F)
**Operating Relative
Humidity Range**
8% - 90% (non-condensing)
**Non Operating Relative
Humidity Range**
5% - 95% (non-condensing)

Parts List

Standard Parts (Bulk Package)

SATA cable

Part Number	CBL-MCIO-1270OT4S2-85 • *e*Store (https://store.supermicro.com/mcio-x8-to-8-sata-2-str-70-cm-cbl-mcio-1270ot4s2-85.html)
Qty	1
Description	MCIO X8/STR to 8 SATA+2 SB, 70cm

Standard Parts (Retail Package)

SATA cable

Part Number	CBL-MCIO-1270OT4S2-85 • *e*Store (https://store.supermicro.com/mcio-x8-to-8-sata-2-str-70-cm-cbl-mcio-1270ot4s2-85.html)
Qty	1
Description	MCIO X8/STR to 8 SATA+2 SB, 70cm

Optional Parts

TPM security module (optional, not included)

Part Number	AOM-TPM-9672V (/products/accessories/addon/AOM-TPM-9672V.php)
Qty	1
Description	SPI capable TPM 2.0 with Infineon 9670 controller with horizontal form factor

Certain products may not be available in your region