H13SVW-NT (For A+ Server Only) New

WIO UP Server board

Key Features

AMD EPYC™ 8004 series Processors

System on Chip

Up to 576GB 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 10GBase-T LAN Ports via Broadcom BCM57416

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

Optimized Servers

AS -1015SV-WTNRT (/en/products/system/wio/1u/as-1015sv-wtnrt)

AS -1115SV-WTNRT (/en/products/system/wio/1u/as-1115sv-wtnrt)

AS -2015SV-WTNRT (/en/products/system/wio/2u/as-2015sv-wtnrt)

AS -1115S-FWTRT (/en/products/system/iot/1u/as-1115s-fwtrt)

AS -1115S-FDWTRT (/en/products/system/iot/1u/as-1115s-fdwtrt)

Specifications

Product SKUs
MBD-H13SVW-NT

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 576GB ECC Registered RDIMM, DDR5-4800MHz
Memory Type
4800 MT/s ECC DDR5 RDIMM
DIMM Sizes
8GB, 16GB, 32GB
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 BCM57416 10GBase-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
Redfish API (/manuals/other/RedfishRefGuide.pdf), Supermicro Server Manager (SSM) (/solutions/SMS_SSM.cfm), Supermicro Update Manager (SUM) (/solutions/SMS_SUM.cfm), SuperDoctor® 5 (/en/solutions/management-software/superdoctor), Super Diagnostics Offline (/en/solutions/management-software/super-diagnostics-offline), KVM with dedicated LAN (/manuals/other/BMC_IPMI_X13_H13.pdf#page=112), IPMI 2.0 (/solutions/IPMI.cfm)

Security
Hardware
Trusted Platform Module (TPM) 2.0

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

Qty | 1
Description | MCIO X8/STR to 8 SATA+2 SB, 70cm

Standard Parts (Retail Package)

SATA cable

Part Number	CBL-MCIO-1270OT4S2-85
Qty	1
Description	MCIO X8/STR to 8 SATA+2 SB, 70cm

Optional Parts

TPM security module (optional, not included)

Part Number	AOM-TPM-9670V
Qty	1
Description	SPI capable TPM 2.0 with Infineon 9670 controller with horizontal form factor

Global SKU (/en/products/SMC_global_skus)