



• System

- **Chassis Form Factor:** 2U enclosure width sleds (H 3.43" x W 17.6" x L 30")
- **Motherboard Form Factor:** Proprietary
- **Processor:** Cavium ThunderX2® processor CN99XX product family
Interconnect: Cavium Coherent Processor Interconnect CCPI2™
Configuration: Dual node capable leveraging CCPI2
Socketed: Yes
- **Memory:** Up to 256GB (16 DIMM slots) with 8 channel per node
- **Storage:** Up to 20 x 2.5" SATA HDD/SSDs front accessible drives and up to 4 x 2.5" NVMe drives
Up to 2 x 2.5" SATA HDD/SSDs rear hot-swappable drives
- **IO configuration:** 2 standard x8 PCIe Gen3 FHHL slots,
2 standard x16 PCIe Gen3 FHFL slots,
2 OCP 1.0 x16 PCIe Gen3 mezzanine slots
- **Rear IO connectors:** Video, 2 x 1Gb RJ45 (host), 2 x USB 3.0,
2 x 10Gb SFP+ (host), 1 x RJ45 (mgmt), Serial port (RJ45 type)
- **Buttons:** Front Panel with Power button, reset button, ID button (front and rear panel)
- **LED:** System status, HDD Status, LAN status LED
- **Backplane:** SAS (12G) / SATA (6G) HDD backplane; PCIe expander without chipset for NVMe
- **Cooling fans:** 4 x easy-swap counter-rotating FAN
- **Power:** Dual redundant (1+1) power supplies, 1600W 80+ Platinum

• Management

- Baseband management controller (BMC) provided by American Megatrend MegaRAC® SP-X (ASPEED 2500)
- IPMI 2.0 compliant
- Supports both in-band out of band management

• Firmware and Boot Code: Aptio® V AMI UEFI

• Compliant with SBSA and SBBR specifications

• Operating Systems and Software:

- Ubuntu
- Centos
- Standard GCC and LLVM tool chain
- Java via both OpenJDK and Oracle Java 8

• Ordering Code

- CN9900-SBR-CDK-1.0-256G-240SSD-PR-G

• Factory Shipping Configuration

- 2 x CN99xx ThunderX2® with 256GB memory
- 240GB bootable SSD with Ubuntu 16.04
- Aptio® UEFI and MegaRAC® BMC
- Slide rail kits
- User guide

