

# ThunderX™ Family of Workload Optimized® Processors Reference Platform



## 1U/1S Reference Platform (StratusX) (CN8800-1S-CDK) Product Brief

- **Processor:** CN8890-Series 48 core workload optimized ARMv8 server SoC
- **Configuration:** Single Socket
- **Chassis:** 1U Rack Mount
- **IO Configuration:**
  - 2 x 10GE SFP+
  - 1 x 40GE QSFP+
  - 2 x 8 Gen3 PCIe slots
  - 4 x HDD drive slots – can accommodate 2.5" and 3.5" HDDs and SSDs
  - Ships with 1 x 3.5" 400 GB HDD
- **Memory:**
  - Supports standard DDR3 RDIMMs
  - 8 DDR3 slots, upto 1866MHz
- **Mother board Form Factor:** Micro-ATX (9.6" x 9.6")
- **Power Supply:** Supports dual redundant power supply
- **Management**
  - Aspeed 2400 Baseband management controller (BMC) with AMI MegaRAC BMC software
  - Managed through IPMI 2.0
  - Supports all the standard BMC functions such as serial over LAN (SOL), vMedia, KVM etc.
  - Supports both in-band out of band management
- **BIOS/Boot:** Standard UEFI Boot environment
- **Compliant with SBSA and SBBR specifications**
- **OS Support:** Preloaded with Ubuntu 14-04
- **SW SDK Contents:**
  - RedHat Early Access for ARMv8
  - Fedora F20 and later
  - OpenSUSE V13 and later
  - Standard GNU tool chain
  - Platform device drivers
- **Configurations**
  - Standard memory config: CN8800-1S-64G-2.0-CDK: 64 GB memory
  - High memory config: CN8800-1S-128G-2.0-CDK: 128GB memory

