The WNC OSW3200 is a 1U Top-of-Rack (TOR) or spine switch for high-performance data centers. The switch provides full line rate 3.2Tbps of bandwidth across 32 × 100G QSFP28 ports. The OSW3200 utilizes the Broadcom Trident 3.X7 chipset as its packet forward engine, offering users direct 100Gbps/25Gbps downlink connection to servers or storage, and 100Gbps uplink connection to aggregation switches.

- High performance, bare-metal switch for enterprise and data center fabrics
- Deployed as a Top-Of-Rack (TOR) or spine switch supporting 100GbE to spine/leaf switches or 25GbE to servers and storage with 100GbE uplinks
- Supports port-to-power and power-to-port airflow SKUs
- Hot-swappable, load sharing, redundant AC PSUs
- 5+1 redundant, hot-swappable fan modules
- Advanced data center features
  - 32MB on chip shared packet buffer
  - Fully programmable dataplane
  - Protocol support for GENEVE, NSH, VxLAN, GPE, MPLS, MPLS over GRE/UDP overlays and tunnels
  - Instrumentation features, e.g., time stamping, trace capture, and in-band telemetry
  - Adaptive routing
### Key Features

#### Ports

Switch ports:
- 32 × 100G QSFP28 ports

Management ports:
- 1 × RJ45 serial console
- 1 × RJ45 10/100/1000Base-T management
- 1 × USB Type A storage

#### LED

QSFP28 LEDs: Link status, activity, and rate
Ethernet management port: Link status and activity
System LEDs: PSU and fan status

#### Key Components

CPU Module: Intel Denverton based CPU module:
- Intel Goldmont Atom 4 (up to 16) core 2.2GHz x86 processor
- Up to two SO-DIMM slots
  - Two channels, one DIMM per channel
  - ECC enabled
  - 32GB max

Switch Silicon: Broadcom BCM56870:
- Trident 3.X7 chipset
- PHY-less design

#### Software

Switch is preloaded with ONIE
Supports ONL (OpenNetworkLinux)