The Accton AS9727-32DB is a spine switch for high-performance data centers. This switch provides line-rate L2 and L3 switching across the 32 x QSFP-DD ports, each supporting 1 x 400 GbE or 1 x 100 GbE, or via breakout cables 4 x 100 GbE or 4 x 25 GbE. The AS9727-32DB can be deployed as a spine switch supporting 100/400 GbE spine interconnects. This open network switch is loaded with the Open Network Install Environment (ONIE), which supports the installation of compatible Network Operating System software, including the open source options Open Network Linux, plus commercial NOS offerings.

Key Features and Benefits
- Compiler-Programmable Pipeline, Enhanced Instrumentation and Telemetry Data Center Spine
- 32 x QSFP-DD switch ports plus 6x10G SFP+, each supporting 1 x 400 GbE or 1 x 100 GbE, or via breakout cables 4 x 100 GbE or 4 x 25 GbE.
- Incorporates Broadcom 7nm Process, Trident4-X11 12.8T switch silicon for non-blocking line rate performance.
- High-performance Intel Xeon-D Ice Lake-LLC CPU with optional BMC.
- 1 RU form factor.
- Supports hot/cold aisles with front-to-back and back-to-front airflow SKUs.
- All ports on front; PSUs and fans accessible from rear.
- Hot-swappable, load-sharing, redundant 1300 W PSUs.
- 5+1 redundant, hot-swappable fan modules.
- Bare-metal hardware switch pre-loaded with diagnostics software and with Open Network Install Environment (ONIE) for automated loading of compatible open source and commercial NOS offerings.
- Compatible with Open Network Linux (ONL), the open-source, OCP reference NOS.
### Ports
Switch Ports: 32 x QSFP-DD 400 GbE +6x10G SFP Management ports on port side:
- 1 x RJ-45 serial console
- 1 x RJ-45 100/1000BASE-T management
- 1 x USB 3.0 (Type-A)

### Key Components
Switch Silicon: BCM56880 Trident4.X11
FPGA: Cyclone IV x1, MAX 10 x1
CPLD: MAX V x 2
1G MGMT PHY: MARVELL 88E1111 x1
10G MGMT PHY: XL710 x1
WAN PLL: IDT 8A34001E x1
CPU Modules: Intel Ice Lake-D LCC
DDR4: 32 GB x 4 SO-DIMM (Max Memory Size: 256GB)
SPI Flash: 64 MB x 2
M.2 SSD : 256 GB x 2 (type 2280 PCIe 3.0 x4)

### Performance
Switching Capability: 25.6 Tbps full duplex
Forwarding Rate: 19 Bpps
Jumbo frames support up to 9 Kbytes
Packet Buffer Size: 132 MB integrated packet buffer
Subject to NOS:
- MAC Addresses: 884 K
- LAN IDs: 8 K
- L3 Host: 640K

### Physical and Environmental
Dimensions (WxDxH): 43.84 x 53.6 x 4.31 cm (17.25 x 21.1 x 1.69 in)
Weight: 11.06 kg (24.38 lb)
Fans: Hot-swappable 5 + 1 redundant fan
Operating Temperature: 0°C ~ 45°C (32°F ~ 113°F)
Operating Humidity: 5% ~ 95% non-condensing

### QSFP-DD Port LEDs
LED: Blue (400G), White (200G), Green (100G), Green (50G)
Management Port LED: Green: (10 G), Flashing: Activity
System LEDs: PSU1, PSU2, Fans, Diagnostic, and Locator
Reset button

### Software
Switch pre-loaded with Open Network Install Environment (ONIE) software installer
Compatible with the following NOS options:
Open Network Linux, the open-source, OCP reference NOS
Intel QuickAssist Technology (QAT)

### Power
PSUs: 2 redundant, load-sharing, hot-swappable AC
Input Voltage: 90 to 240 VAC at 50-60 Hz