

BES-53248



25G/100G Enterprise Data Center Switch

- Broadcom Trident3
- x86 CPU Board

Physical Ports

- **Port configuration:** 48 SFP28 (10/25GbE) and 8 QSFP28 ports (10/40 or 25/50/100GbE)
- **Management Port:** Out-of-band management port (RJ-45, 10/100/1000Base-T)
- **Console Port:** 1 RJ-45 console port
- **USB:** 1 USB 2.0 port

CPU Board

- **CPU:** Intel Atom® Processors
- **Memory:** 4GB DDR3/ECC
- **Storage:** SSD: 32GB

Performance

- **Switching capacity:** 4Tbps
- **Maximum forwarding rate:** 2Bpps
- **Latency:** Ultra-low latency
- **MAC:** Broadcom Trident3 BCM56873

EFOS Network OS

- **OS:** Linux based
- **Packet Processing:** L2, L3 v4/v6, MLAG, ECMP, ACLs
- **Storage Flows:** PFC, ECN, Lossless Traffic Class, DCTCP

High Availability

- **Redundant hot-swappable power supply:** 1+1
- **Hot-swappable fan tray:** 4+2

Mechanical

- **Dimension (HxWxD):** 43.2x440x508mm
- **Weight:** 9.71kg(NET)

Environmental Specifications

- **Operating temperature:** 0~45°C
- **Operating humidity:** 90% maximum relative humidity
- **Operating Altitude:** 0 to 2952 ft, (0-900m)

Electrical

- **Power requirement:** 100~240VAC, 50/60Hz

Safety

- UL, cUL, CB, CCC

EMC

- CE, FCC, CCC

RoHS

- Reduction of Hazardous Substances (RoHS) 6

Supported Optics and Cables

- **DAC cable (QSFP+):** 1m, 3m, and 5m
- **DAC cable (QSFP+, fan-out):** 1m, 3m, and 5m
- **DAC cable (QSFP28):** 1m, 3m, and 5m
- **DAC cable (QSFP28, fan-out):** 3m
- **DAC cable (SFP28):** 1m, 3m and 5m
- **DAC cable (SFP+):** 1m, 3m and 5m
- **DAC cable (SFP):** 1m, 3m and 5m
- **AOC cable (QSFP+, 850nm, MMF):** 1m, 3m, 5m, and 10m
- **AOC cable (QSFP28, 850nm, MMF):** 1m, 3m, 5m, and 10m
- **AOC cable (SFP28, 850nm, MMF):** 1m, 3m, 5m, and 10m
- **AOC cable (SFP+, 850nm, MMF):** 1m, 3m, 5m, and 10m
- **AOC cable (SFP, 850nm, MMF):** 1m, 3m, 5m, and 10m
- **1G optic (SFP, LC, 850nm, MMF):** 1000BASE-SX
- **1G optic (SFP, LC, 1310nm, SMF):** 1000BASE-LX
- **10G optic (SFP+, LC, 850nm, MMF):** 10GBASE-SR
- **10G optic (SFP+, LC, 1310nm, SMF):** 10GBASE-LR
- **25G optic (SFP28, LC, 850nm, MMF):** 25GBASE-SR
- **40G optic (QSFP+, MPO, 850nm, MMF):** 10GBASE-SR4
- **40G optic (QSFP+, LC, 1310nm, SMF):** 10GBASE-LR4
- **100G optic (QSFP28, MPO, 850nm, MMF):** 100GBASE-SR4
- **100G optic (QSFP28, MPO, 1310nm, SMF):** 100GBASE-PSM4
- **100G optic (QSFP28, LC, 1310nm, SMF):** 100GBASE-LR4

Order Information

Part Number	Category	Packing	Description
BES-53248A1-G1-16E1-R	Switch	1 in 1	16 Port Ethernet Switch Base Configuration (Back-to-Front/ PTSX) Std
BES-53248A1-G1-16E1-F	Switch	1 in 1	16 Port Ethernet Switch Base Configuration (Front-to-Back/ PSIN)
BES-53248A1-SRMK	FRU	1 in 1	Rack Mount Standard Rail Kit - 4 post 19"
BES-53248A1-FAN-F	FRU	4 in 1	Fan - Front-to-Back/ PSIN
BES-53248A1-FAN-R	FRU	4 in 1	Fan - Back-to-Front/ PSIX (Std)
BES-53248A1-PSU-F	FRU	1 in 1	Power Supply - Front-to-Back/ PSIN
BES-53248A1-PSU-R	FRU	1 in 1	Power Supply - Back-to-Front/ PTSX (Std)
BES-53248A1-G1-8P-LIC	License	8 Port License Key	8 Ports 10/25Gb + 2 Ports 40/100Gb
BES-53248A1-G1-BV-LIC	Software	MOQ 500 Units	Broadview Network View Tool

Note: Refer to the Broadcom Support Website for further details.

* A full suite of support offerings is available. Please contact your OEM provider or authorized service provider.