4TEX-11B-48_8DB AR

Innovative Datacenter Switch, 48 x 1GE Base-T & 8x10GE SFP+ Ports

High-density, datacenter optimized server switching.

Key applications

- High-density 1GE ToR server aggregation for high-performance datacenter environments.

- Hot/cold aisle airflow support, front to rear and rear to front..

- Enables cost-effective application of 10GE uplinks through small-scale implementation in Spine-Leaf networks.

- Serves as TOR switch to link with a server or as IPMI switch.

- Open network install environment (ONIE) support for network switches.

- VXLAN/NVGRE capable hardware supporting virtual machine mobility.

- Extensive transition technologies for IPv4, IPv6, and dual stack management functions.

- Superior management and security through console and out-of-band interface options.

- High-speed Layer 2 deployment support to connect nonvirtualized infrastructure with hypervisor-based overlay networks.

Key features

- 48 x 1GE Base-T & 8 x 10GE SFP+ ports for downlinking and uplinking capability.

- Modular dual power supply and fan assembly with overcurrent, overvoltage, and overheating protection.

- Next-generation Spine-Leaf network architecture, enhancing capacity and optimizing scaling.

- ARM Cortex A9@1GHz CPU with 256 Gbps switching capacity.

- Specifically designed for utilization in high-performance datacenter environments.

- Hot and cold backup switching without system reboot or reconfiguration ensuring uninterrupted data processing and operation.

- Non-blocking switching architecture.

FORMAT

IMPOSSIBLE BECOMES REALITY

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Technical Specifications

4TEX-11B-48_8DB AR	
Form Factor	1U
Role	1GbE Leaf ToR, MGMT
1Gb ports	48
10Gb ports	8
ONIE	Yes
Pre-loaded NOS	ICOS
ICOS	Yes
SONiC	No
OpenSwitch	Yes
NoviFlow Noviware	No
ASIC / Silicon	Broadcom BCM56344 (Helix 4)
Switching capacity - bidirectional, Gbps	256
Switching capacity - one-way, Gbps	128
Packet throughput, Mpps	190
PSU W	460
PSU n°	2
RPS	Yes
Processor	ARM Cortex A9 1GHz
Memory	2GB w/ ECC SODIMM DDR3

Storage	NAND Flash: 2GB
Airflow	Rear to Front or Front to Rear; Front side is the port side
Power Consumption Typical	88W
Power Consumption Max	116W
Input power	100V-240V, 60/50Hz
Max. Operating temperature	45°C
Weight	7.92 kg
Transceiver	1GbE SR SFP
	1GbE LR SFP
	10GbE SR SFP+
	10GbE LR SFP+
Dimensions (w x h x d) mm	440 x 44 x 406
Regulatory compliance	
EMC	EN55032 Class A EN61000-3-2/EN61000-3-3 EN55024 FCC P15B Class A BSMI (CNS 13438) Class A CCC (GB9254) Class A RoHS: RoHS 6 UL
Safety	IEC/EN 60950-1/A2 BSMI (CNS 14336-1) CCC (GB4943)