

BCM88370

Contact Sales

Gigabit Ethernet StrataDNX® Qumran-MX

Currently Viewing:

Overview

Overview



Broadcom's BCM88370 Series, also known as the StrataDNX® Qumran-MX switch series, can help build fixed form factor, feature-rich, deep-buffered switches to enable cloud-scale networking and Carrier network applications. The BCM88370 device processes up to 800 Gbps traffic, supporting up to six 100G full-duplex ports at Layer 2 through Layer 4 with integrated deep-buffer traffic management capabilities, and a fabric interface.

The BCM88370 series is the sixth generation of the Dune deep-buffered feature-rich switching product line.

Features

High performance:

- 800 Gbps full-duplex switching

• Flexible network interface:

- 10GbE, 25GbE, 40GbE, 50GbE, 100GbE interfaces

– Support for a mix of OTN (ODU) and ETH ports on the same device – 400GbE ready

• Traffic manager:

- Deep buffering, GDDR5/DDR4 DRAM-based

- Large on-chip buffers

- Hierarchical QoS

- Programmable, hierarchical scheduling

• Flexible and microcode-programmable packet processor:

- Bridging, routing, MPLS, VPLS, L2VPNs, L3VPNs, OAM

Applications

- Fixed form factor, Deep buffered switches
- Storage applications ToR
- Boarder Leaf
- Data Center Interconnect (DCI)

- Data Center Tunneling Encapsulations including VXLAN and NV-GRE
- Built-in support for data center, carrier and metro Ethernet, and transport applications
 - Large on-chip tables with off-chip expandability
 - OAM accelerator engine
- OTN and TDM support:
 - Dedicated low delay pipe for TDM/OTN traffic
 - Fixed and predictable latency data path for TDM systems
 - Unified fabric for OTN and packet


Lifecycle Status

Active

Specifications

Lifecycle	Active
Distrib. Inventory	No
SerDes / GPHY	24 x 25G + 48 x 10G
Bandwidth	800Gb/s
Fabric	16 x 25G

Previously viewed

	<p>BCM88470 300Gbps 10/100 Gigabit Ethernet StrataDNX® Qumran-AX Ethernet Switch Series</p>		<p>BCM88370 Gigabit Ethernet StrataDNX® Qumran-MX</p>
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