<u>Products</u> / <u>Ethernet Connectivity, Switching, and PHYs</u> / <u>Ethernet Switches and Switch Fabric Devices</u> / <u>StrataDNX™</u> / BCM88370

BCM88370

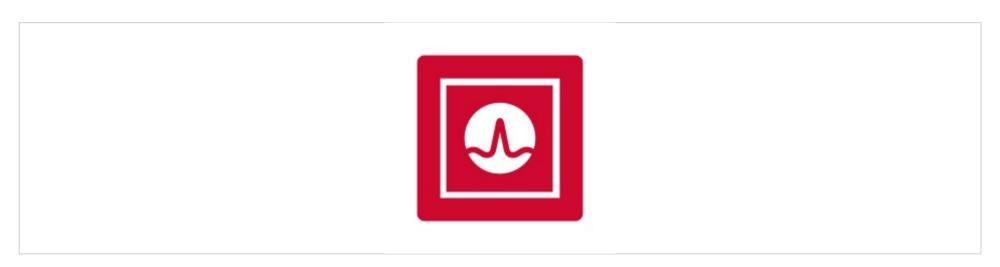
Contact Sales

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)

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- 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



BCM88470

300Gbps 10/100 Gigabit Ethernet StrataDNX® Qumran-AX Ethernet Switch Series



BCM88370

Gigabit Ethernet StrataDNX® Qumran-MX

Mouser Electronics

Authorized Distributor

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