

BROADCOM NetXtreme E-Series M225P

Network adapter - PCIe - 25 Gigabit SFP28 x 2

Group	Controllers
Manufacturer	BROADCOM
Manufacturer item no.	BCM957414M4142C
EAN/UPC	0650861000178



Description

Based on Broadcom's scalable 10/25/50/100G Ethernet controller architecture, NetXtreme E Series Open Compute Project (OCP) adapters can be used to build highly scalable, feature-rich RoCE networking solutions in servers for enterprise and cloud-scale applications.

NetXtreme E Series addresses the performance and service demands of mega-scale data center networks for high throughput and advanced flow processing. Features such as TruFlow increase VM density, freeing more CPU cycles for additional virtual machines. On-chip tunneling protocol processing for Geneve, VXLAN, and NVGRE provides excellent throughput increase while lowering CPU utilization. NetXtreme E Series controllers also support advanced networking technologies such as RoCE, SDN and NFV, to facilitate the management of data networks and to enable service provider solutions.

Main features

Product Description	Broadcom NetXtreme E-Series M225P - network adapter
Device Type	Network adapter
Form Factor	Plug-in card
Interface (Bus) Type	PCI Express
Ports	25 Gigabit SFP28 x 2
Data Link Protocol	10 GigE, 25 Gigabit LAN
System Requirements	Linux, FreeBSD, SUSE Linux Enterprise Server, Microsoft Windows, Debian Linux, Red Hat Enterprise Linux, CentOS, Ubuntu, Oracle Solaris, VMware ESX, Oracle Linux, Microsoft Windows Hyper-V Server

Extended details

	General
Device Type	Network adapter
Form Factor	Plug-in card
Interface (Bus) Type	PCI Express
	Networking
Ports	25 Gigabit SFP28 x 2
Connectivity Technology	Wired
Data Link Protocol	10 GigE, 25 Gigabit LAN
Features	Virtual Extensible LAN (VXLAN), Network Virtualization using Generic Routing Encapsulation (NVGRE), RDMA over Converged Ethernet (RoCE) v2, Software Defined Networking (SDN), Network Partitioning (NPAR), Network Function Virtualization

Expansion / Connectivity

Interfaces	2 x 25Gb Ethernet - SFP28
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Software / System Requirements

OS Required	Linux, FreeBSD, SUSE Linux Enterprise Server, Microsoft Windows, Debian Linux, Red Hat Enterprise Linux, CentOS, Ubuntu, Oracle Solaris, VMware ESX, Oracle Linux, Microsoft Windows Hyper-V Server
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