

N-1090 Broadcom PCIe 1-Port 25G SFP28 Network Adapter

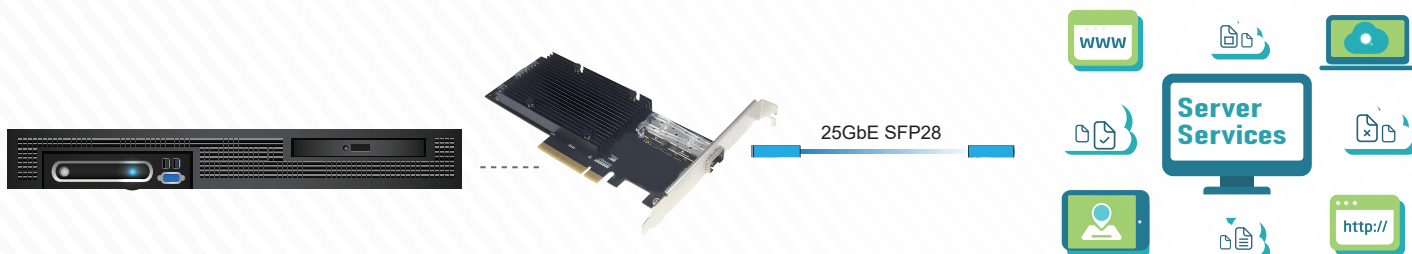
Solution: BCM57412



N-1090 Broadcom PCIe 1-Port 25G SFP28 Network Adapter leverages market-leading hardware acceleration technologies that feature high throughput and advanced flow processing to meet the performance and service demands of mega-scale data center networks. Features such as TruFlow™ increase VM density up to 50 percent, freeing more CPU cycles for additional virtual machines. On-chip tunneling protocol processing for Geneve, VXLAN, and NVGRE provides up to a 5X throughput increase while lowering CPU utilization up to 90 percent compared to software-only solutions. N-1090 also supports advanced networking technologies such as RoCE, SDN and NFV, to facilitate the management of data networks and to enable service provider solutions.

Features

- Standards-compliant 25G Single-port SFP28 adapter with line-rate, full-duplex throughput
- NIC partitioning supporting 16 physical functions (PFs)
- TruFlow™ engine for intelligent flow processing to increase server VM density and accelerate vSwitch processing
- Industry's most secure PCIe NIC adapter solution leveraging Broadcom's BroadSAFE® technology to provide unparalleled platform security via Silicon Root of Trust
- New end-to-end congestion avoidance and management to anticipate and eliminate congestion before it happens
- Support for advanced networking technologies including RoCE, SDN, NFV and virtualization
- TruManage™ enhances server manageability and security for data center deployments



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25GbE SFP28

Specifications

Ordering Code	N-1090
Description	Broadcom PCIe 1-Port 25G SFP28 Network Adapter
Form Factor	PCIe 3.0 x8
Bus Width	x8 lane PCI Express
OS Driver Support	CentOS, Debian, Microsoft Windows, Oracle Linux, Oracle Solaris, Red Hat Enterprise Linux, SUSE® Linux Enterprise Server, Ubuntu, VMware, VMware ESX, VMware vSphere, Windows Hyper-V, Windows Server
Connectors	1x SFP28
Data Rates	25GbE
RoCEv2	Yes
TruFlow™	Yes
TruManage™	Yes
Dimensions	158.29 x 120.92 x 21.59 mm
Operating Temperature	0 °C – 55 °C
Storage Temperature	-40 °C – 70 °C
EMC Standards	CE, FCC
Package Contents	1x Broadcom PCIe 1-Port 25G SFP28 Network Adapter 1x User Manual

