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HP NC542m Dual Port Flex-10 10GbE Adaptor for ProLiant BladeSystem C-Class

The HP NC542m Dual Port Flex-10 10GbE BLc Adapter is the newest member of the c-Class 10Gb adapter portfolio and the most powerful. Based on the latest version of the Mellanox ConnectX family, the HP NC542m delivers the highest overall throughput and the lowest latency of all the 10GbE adapters. Perfect for mission critical applications such as financial services and virtualized environments, the adapter works with all BladeSystem c-Class G6 servers. When paired with the new ProCurve 6120XG Blade Switch, the combination provides a comprehensive high bandwidth, high performance interface between the server edge and the network.

NOTE: The NC542m network adaptor card is required for each server blade connecting to a 10Gb interconnect in bays 3-8 (HP BladeSystem c7000 Enclosure) or bays 3-4 (HP BladeSystem c3000 Enclosure) NOTE: The NC542m requires a minimum of 2 GB of server memory NOTE: The NC542m supports linking at 1000Mbps or 10000Mbps when not connected to a Flex-10 device The NC542m will only support 1000Mbps when connected to a 1Gb Ethernet interconnect.

Processor	Mellanox ConnectX
Network Speeds Supported	10/100/1000Mbps
Network Card Bus	PCI Express

Features

∗ **Industry-leading throughput and latency performance**

∗ **Supported on all G6 c-Class servers, in mezzanine slots1, 2 or 3 (full height servers) or slots 1 and 2 (half height servers)**

∗ **Type I Adaptor**

∗ **Supports Mellanox LLE Low Latency Ethernet technology**

∗ **IEEE 802.1p QoS 802.3x flow control, and 802.3ap 10GBase-KR**

∗ **The NC542m support for jumbo frames (also known as extended frames) permit up to a 9K byte transmission unit (MTU), which is over five times the size of standard 1500 byte Ethernet frame. The use of jumbo frames is a way to achieve higher throughput and b**

∗ **Dual 10Gb ports provide up to 40Gb full duplex per adaptor**

∗ **Supports HP\'s exclusive Flex-10 technology that allows you to set any bandwidth from 100Mb to 10Gb on up to four Physical**

∗ **Function NICs per port when combined with the 10Gb Flex-10 Virtual Connect module**

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Specification

General

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CPU

Processor	Mellanox ConnectX

Network

Network Speeds Supported	10/100/1000Mbps
Data Link Protocol	10 Gigabit Ethernet
Protocols Supported	802.1p, 802.1q, 802.3u, 802.3ad, 802.3ae, 802.3ap (10GBase-KX4), 802.3x and 802.3z
Connectivity Technology	Wired

Interfaces/Ports

Network Card Bus	PCI Express

Environmental

Environmental	Operating Temperature 0 to 55C - Humidity 10 to 90%

Physical

Pack Quantity	1

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In The Box

NC542m mezzanine adaptor Quick install card Product warranty statement Drivers, user guide, and utilities via: http://www.hp.com

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About Memory Express

Although we started out selling just Memory the best part of fifteen years ago, we have diversified organically over the years at the request of our customers. We specialise in Networking, Storage and Disaster Recovery and have the knowledge, experience and strategic partnerships to provide you with the service and value you demand - quality products, reasonably priced and delivered on time.

Memory Express can offer you a full range of installation and configuration services for hardware and software as well as detailed, accurate advice on all aspects of your IT projects. You'll be glad to know that we don't have a room full of school leavers trying to sell products they don't understand - all our staff are seasoned IT specialists and have an average length of service of over ten years. We won't just push you towards the solution we feel like selling; we'll help you to find the one you need.

Meanwhile, online, we offer one of the largest product ranges of any UK IT supplier. Showing near live stock, in depth product information and keen pricing, we're sure you'll find what you need. We also have matched memory upgrades for over 50,000 models of computer, server, printer, phone and camera, guaranteeing you the right memory, first time. All this is backed up by the same great service you'd expect when dealing with us over the phone. For our regular business customers, we provide T3, our corporate purchasing portal which provides a truly corporate focused buying experience.

We're conveniently located in Park Royal, London's Technology Business Park, allowing us to reach all areas of the UK quickly and efficiently. Many of our City based corporate clients benefit from same day delivery and we can offer next day delivery to established customers throughout the British Isles. Online delivery tracking and status information means that you need not worry about the whereabouts of your order.

We're proud to have built up a wide variety of partnerships with quality vendors and many of our staff hold certifications from top tier manufacturers including Microsoft, Acronis, Symantec and VMWare.

Our clients vary in size from SMEs to many of the UK's largest corporates, government departments, schools and universities, and we're pleased to say that most have been our customers for many, many years - we believe in long term business relationships, not turning a quick profit. Why not contact us now to see how we can help you get the quality of service they already enjoy?