



Applications

- The M.2 Ethernet Fiber NIC is used to provide fiber-to-the-desktop for the designated Dell micro PCs and thin clients

Features

Internally mounted in small computing devices

IEEE 802.3-2012

Fast Ethernet and Gigabit Ethernet versions available

Use of A+E keyed M.2 interface

Supports PXE boot

Supports UEFI

Supports jumbo frames

Supports IPv6

Benefits

Provides a secure fiber connection for specified micros, thin clients, and other small form factor PCs

Complies with standard Ethernet specifications

Provides flexibility for fiber connections

Offers increased flexibility as it frees the B+M keyed M.2 interface to be used for SSD

Industry standard protocols, easily implemented, with low use of resources

Supports remote diagnostics and repair of computers, even with no operating system installed

Minimizes processing time

Relieves IP address exhaustion, facilitates route aggregation and limits the expansion of routing tables

M.2 Ethernet Fiber NICs

Specifications	NM2-FXS-01	NM2-GXE-01	NM2-FXS-201	NM2-GXE-201
Compatible PCs	Dell OptiPlex™ 7040/7050 & 7080/7090 (35W) Micro, Wyse 7040/7050 Series thin clients	Dell OptiPlex™ 7040/7050 Micro PCs, Wyse 7040/7050 Series thin clients	Dell OptiPlex™ 3060/5060/7060/7070 Micro PCs	NM2-GXE-201: Dell OptiPlex™ 3060/5060/7060/7070 and 7080/7090 (35W) Micro PCs NM2-GXE-201A: Dell OptiPlex™ 7080/7090 (65W) Micro PCs
Data Rate (full duplex only)	100 Mbps	1000 Mbps	100 Mbps	1000 Mbps
Connector Types	Provided SFP only	Fixed LC or open SFP slot	Provided SFP only	Fixed LC or open SFP slot
Power Consumption	120mA @ 3.3V (0.4 Watts typical without SFP module)	LC Version: 250mA @ 3.3V (0.8 Watts typical) SFP Version: 120mA @ 3.3V (0.4 Watts typical without SFP Module)	120mA @ 3.3V (0.4 Watts typical without SFP module)	LC Version: 250mA @ 3.3V (0.8 Watts typical) SFP Version: 120mA @ 3.3V (0.4 Watts typical without SFP Module)

All of the above M.2 Ethernet Fiber Network Interface Cards

Standards	IEEE 802.3-2012
Bus Slot	M.2 - '2230-D4-A-E'
Max Frame Size	9014 bytes
Status LEDs	LINK/ACT; ON = Link; Flashing = Activity
Dimensions: M.2 NIC 2230-D4-A-E	Width: 0.87" [22 mm], Depth: 1.18" [30 mm], Height: 0.12" [3.08 mm]
Dimensions: Fiber Interface	Width: 1.65" [42 mm], Depth: 2.05" [52 mm], Height: 0.51" [13 mm]
Dimensions: FFC Cable	NM2-FXS-01 = 2.99" [76 mm], NM2-FXS-201 & NM2-GXE-201 = 5.013" [127.33 mm], NM2-GXE-201A = 4.911" [124.74 mm]
Software Support	Windows 10, 8, 8.1, and 7 (32/64 bit); Linux
Power Source	M.2 interface connector: 3.3V (Refer to table 41 of M.2 Specification)
Environment	Operating: 0°C to +45°C Storage: -40°C to 85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Certifications	CE Mark; Emissions: EN55032, FCC Part 15 Class A, FCC Part 15 Class B (NM2-GXE-201); Immunity: EN55024
Warranty	Lifetime