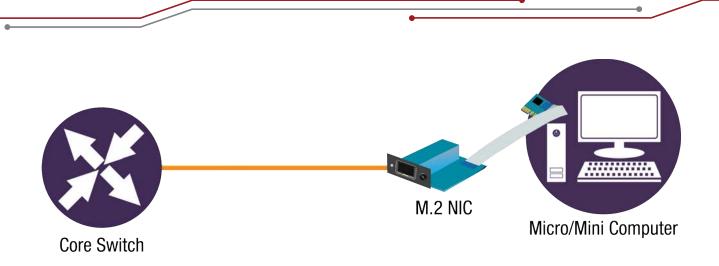
M.2 Ethernet Fiber Network Interface Cards





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	Benefits		
Internally mounted in small computing devices	Provides a secure fiber connection for specified micros, thin clients, and other small form factor PCs		
IEEE 802.3-2012	Complies with standard Ethernet specifications		
Fast Ethernet and Gigabit Ethernet versions available	Provides flexibility for fiber connections		
Use of A+E keyed M.2 interface	Offers increased flexibility as it frees the B+M keyed M.2 interface to be used for SSD		
Supports PXE boot	Industry standard protocols, easily implemented, with low use of resources		
Supports UEFI	Supports remote diagnostics and repair of computers, even with no operating system installed		
Supports jumbo frames	Minimizes processing time		
Supports IPv6	Relieves IP address exhaustion, facilitates route aggregation and limits the expansion of routing tables		

M.2 Ethernet Fiber NICs



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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				