



MultiPath Director™ Reference Guide

MultiPath Director™ is a specialized multipathing driver exclusively for ATTO's Fibre Channel host bus adapters that enables Linux®, Mac® or Windows® servers and/or workstations to connect to enterprise-class storage.

Partner Certifications

Storage Vendor	Storage Series	Celerity™ HBA	Mac OS® X ¹	Windows® Workstation ¹	Windows Server ¹	Linux® ¹	Interoperability Listing
Dot Hill®	Assured SAN®	16Gb & 8Gb	X	X		X	
EMC®	VNX/VNX2®	16Gb & 8Gb	X	X			E-Labs
	VMAX®	16Gb & 8Gb	X	X			
HP®	MSA	16Gb & 8Gb	X				SPOCK
	3PAR	8Gb	X				
Hitachi Data Systems®	HUS/VM	16Gb & 8Gb	X	X	X	X	
Huawei®	OceanStor	8Gb	X	X		X	
	Dorado	8Gb	X	X		X	
Infotrend®	EonStor	16Gb & 8Gb	X	X		X	
IBM®	DS Series	8Gb	X	X		X	SSIC (RPQ Req)
	Storwize®	8Gb	X				SSIC
NEC®	D Series M Series	8Gb	X			X	
NetApp®	E-Series	16Gb & 8Gb	X	X	X	X	IMT
	FAS Series	8Gb	X				PVT
Quantum®	StorNext® QXS/QX/QD	16Gb & 8Gb	X	X	X	X	

ATTO Celerity Fibre Channel HBA EMC, HP & Quantum SKUs

HBA Type	Ports	Partner SKU
EMC Select		
16Gb/s	1	F-CTFC-161E-M02
16Gb/s	2	F-CTFC-162E-M02
8Gb/s	1	F-CTFC-81EN-M02
8Gb/s	2	F-CTFC-82EN-M02
8Gb/s	4	F-CTFC-84EN-M02
HP Vista		
8Gb/s	1	A706948
8Gb/s	2	A706947
8Gb/s	4	A706956
Quantum		
16Gb/s	1	9-03961-01
16Gb/s	2	9-03961-02
8Gb/s	1	9-03960-01
8Gb/s	2	9-03960-02
8Gb/s	4	9-03960-03

Certifications as of April 2015

[1] Visit <http://www.attotech.com/downloads.php> for specific OS compatibility



Hitachi Data Systems

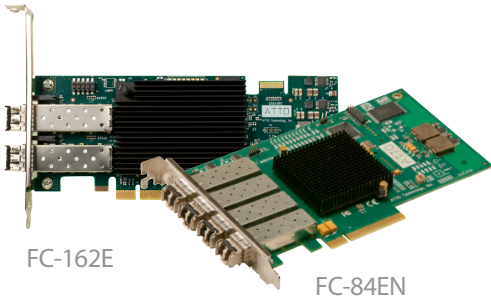




MultiPath Director™ Reference Guide

World's only solution that allows direct connectivity to enterprise storage for servers and workstations.

MultiPath Director™ is available exclusively with ATTO's Celerity Fibre Channel HBAs



FC-162E

FC-84EN

ATTO Celerity Host Bus Adapters

Product Features	162E	161E	84EN	82EN	81EN
Part Number	CTFC-162E-000	CTFC-161E-000	CTFC-84EN-000	CTFC-82EN-000	CTFC-81EN-000
Fibre Channel Ports	2	1	4	2	1
Max. Data Rate	16Gb/s	16Gb/s	8Gb/s	8Gb/s	8Gb/s
Max. Transfer Rate	3200MB/s	1600MB/s	3200MB/s	1600MB/s	800MB/s
Bus Type	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 2.0 x8
Auto Negotiation	16Gb, 8Gb, 4Gb	16Gb, 8Gb, 4Gb	8Gb, 4Gb, 2Gb	8Gb, 4Gb, 2Gb	8Gb, 4Gb, 2Gb
Connector Type	Optical SFP+ LC	Optical SFP+ LC	Optical SFP+ LC	Optical SFP+ LC	Optical SFP+ LC
Max. Cable Length (OM3)	150m - 8Gb 100m - 16Gb	150m - 8Gb 100m - 16Gb	500m - 2Gb 380m - 4Gb 150m - 8Gb	500m - 2Gb 380m - 4Gb 150m - 8Gb	500m - 2Gb 380m - 4Gb 150m - 8Gb
Low-Profile Form Factor	Yes	Yes	—	Yes	Yes
Developer's Kit* (Target Mode API)	Yes	Yes	Yes	Yes	Yes
Warranty	3 year	3 year	3 year	3 year	3 year

*Call for details

Competitive Comparison

	Fibre Channel 8Gb & 16Gb HBAs	Fibre Channel 8Gb & 16Gb Switches	Advanced Data Streaming (ADS™)	Supports Heterogeneous Environments (Linux®, Mac® & Windows®)	Workstation & Server Connectivity to Enterprise Storage	MultiPath Director™	MultiPath Director Advantages in Server Environment	
							Ease of Installation	Centralized Management
ATTO	Yes	Yes	Yes	Yes	Yes	Yes	Yes Don't have to be an expert	Yes One interface to manage the entire infrastructure
Qlogic	Yes	No	No	No	No	No	No Setting MPIO paths increases the administrative and management effort	No In mixed environments IT administrators need to manage two different interfaces
Emulex	Yes	No	No	No	No	No		