



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 ³	Windows® ³	Linux® ³	Interoperability Listing
Dot Hill	Assured SAN	16Gb & 8Gb	X	X	X	
EMC	VNX/VNXe	16Gb & 8Gb	X	X		E-Labs
	Symmetrix VMAX	16Gb & 8Gb	X	X		
	CLARiiON ¹	8Gb	X	X		
HP	Celerra ¹	8Gb	X	X		SPOCK
	Symmetrix DX ¹	8Gb	X	X		
	MSA	16Gb & 8Gb	X	X		
	EVA ¹	8Gb	X			
	3PAR	8Gb	X	X ²	X ²	
Huawei	OceanStor	8Gb	X	X	X	
	Dorado	8Gb	X	X	X	
IBM	DS Series	8Gb	X	X ²	X ²	SSIC
	Storwize	8Gb	X			
	SVC	8Gb	X			
NetApp	E-Series	16Gb & 8Gb	X	X	X	IMT
	FAS Series	8Gb	X ²			
Quantum	StorNext SD/QX Series	16Gb & 8Gb	X	X	X	
NEC	D-Series & M-Series	8Gb	X		X	

ATTO Celerity Fibre Channel HBA EMC & HP SKUs

HBA Type	Ports	Partner SKU
EMC Select		
16Gb/s	1	F-CTCF-161E-M02
16Gb/s	2	F-CTCF-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

Certifications as of April 2014

[1] EOL Storage Arrays that ATTO continues to support - still high installation rate in the field to sell connectivity into.
 [2] May require Deal Exception Ready, Request for Price Quote (RPO) or Product Variance Request from storage vendor to obtain support.
 [3] Visit <http://www.attotech.com/downloads.php> for specific OS compatibility

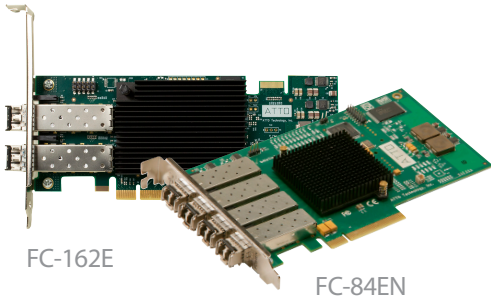




MultiPath Director™ Reference Guide

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		