



The Power Behind the Storage

Shared post-production workflow using ATTO FastFrame™ Ethernet and Celerity™ Fibre Channel

Ingest and edit 4K or 8K video to produce quality content across multiple workstations with failover and load balancing

Demo Description:

Achieve throughput rates required for 4K or 8K editing. Ingest video over 100Gb Ethernet and then use a shared workflow with multiple workstations to edit video from Fibre Channel storage.

Solution Benefits:

- ATTO Advanced Data Streaming (ADS™) Technology for smooth, managed latency.
- Exclusive ATTO MultiPath Director™ enables servers and workstations to connect to enterprise-class storage, providing a completely redundant, high availability, high-performance storage solution.
- Failover and load balancing across multiple operating systems allowing workstations to operate together in a heterogeneous SAN.
- Ingest, edit and grade color in the highest resolutions possible using leading edge protocols like 100Gb Ethernet and Gen 6 Fibre Channel.

Blackmagic Design HyperDeck Studio 12G



Tools On Air Just: In Linux

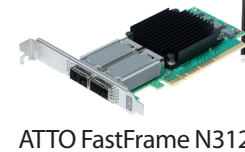


ATTO FastFrame N312

Dell Precision T7920



DaVinci Resolve



ATTO FastFrame N312



ATTO Celerity 324E



Brocade 32Gb Switch



NetApp E5700 32Gb FC Storage



ATTO Celerity™ 32Gb Fibre Channel Host Bus Adapters

Product Features	FC-324E	FC-322E	FC-321E
Part Number	CTFC-324E-000	CTFC-322E-000	CTFC-321E-000
Fibre Channel Ports	4	2	1
Max. Data Rate	32Gb/s	32Gb/s	32Gb/s
Max. Transfer Rate	12800MB/s	6400MB/s	3200MB/s
Bus Type	PCIe 3.0 x16	PCIe 3.0 x8	PCIe 3.0 x8
Auto Negotiation	32Gb, 16Gb, 8Gb	32Gb, 16Gb, 8Gb	32Gb, 16Gb, 8Gb
Connector Type	Optical SFP+ LC	Optical SFP+ LC	Optical SFP+ LC
Max. Cable Length (OM3)	100m - 16Gb 50m - 32Gb	100m - 16Gb 50m - 32Gb	100m - 16Gb 50m - 32Gb
Low-Profile Form Factor	No	Yes	Yes
Developer's Kit ¹ (Target Mode API)	Yes	Yes	Yes
Warranty	3 year	3 year	3 year

ATTO Celerity™ 16Gb Fibre Channel Host Bus Adapters

Product Features	FC-164P	FC-162P	FC-161P
Part Number	CTFC-164P-000	CTFC-162P-000	CTFC-161P-000
Fibre Channel Ports	4	2	1
Max. Data Rate	16Gb/s	16Gb/s	16Gb/s
Max. Transfer Rate	6400MB/s	3200MB/s	1600MB/s
Bus Type	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8
Auto Negotiation	16Gb, 8Gb, 4Gb	16Gb, 8Gb, 4Gb	16Gb, 8Gb, 4Gb
Connector Type	Optical SFP+ LC	Optical SFP+ LC	Optical SFP+ LC
Max. Cable Length (OM3)	150m - 8Gb 100m - 16Gb	150m - 8Gb 100m - 16Gb	150m - 8Gb 100m - 16Gb
Low-Profile Form Factor	Yes	Yes	Yes
Developer's Kit ¹ (Target Mode API)	Yes	Yes	Yes
Warranty	3 year	3 year	3 year

ATTO Celerity™ 8Gb Fibre Channel Host Bus Adapters

Product Features	FC-84EN	FC-82EN	FC-81EN
Part Number	CTFC-84EN-000	CTFC-82EN-000	CTFC-81EN-000
Fibre Channel Ports	4	2	1
Max. Data Rate	8Gb/s	8Gb/s	8Gb/s
Max. Transfer Rate	3200MB/s	1600MB/s	800MB/s
Bus Type	PCIe 2.0 x8 ²	PCIe 2.0 x8 ²	PCIe 2.0 x8 ²
Auto Negotiation	8Gb, 4Gb, 2Gb	8Gb, 4Gb, 2Gb	8Gb, 4Gb, 2Gb
Connector Type	Optical SFP+ LC	Optical SFP+ LC	Optical SFP+ LC
Max. Cable Length (OM3)	500m - 2Gb 380 m - 4Gb 150 m - 8Gb	500m - 2Gb 380 m - 4Gb 150 m - 8Gb	500m - 2Gb 380 m - 4Gb 150 m - 8Gb
Low-Profile Form Factor	No	Yes	Yes
Developer's Kit ¹ (Target Mode API)	Yes	Yes	Yes
Warranty	3 year	3 year	3 year

ATTO FastFrame™ 3 Optical Network Interface Cards

Product Features	N351	N352	N311	N312
Part Number	FFRM-N351-DA0	FFRM-N352-DA0	FFRM-N311-DA0	FFRM-N312-DA0
Max. Data Rate	50Gb/s	50Gb/s	100Gb/s	100Gb/s
Supported Speeds	1/10/25/40/50 Gb/s	1/10/25/40/50 Gb/s	1/10/25/40/50/100 Gb/s	1/10/25/40/50/100 Gb/s
Bus Type	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x16	PCIe 3.0 x16
Connector Type	QSFP28	QSFP28	QSFP28	QSFP28
Low-Profile Form Factor	Yes	Yes	Yes	Yes
Warranty	3 year	3 year	3 year	3 year

ATTO FastFrame™ Optical Network Interface Cards

Product Features	NS14	NS12	NS11	NQ42	NQ41
Part Number	FFRM-NS14-000	FFRM-NS12-000	FFRM-NS11-000	FFRM-NQ42-000	FFRM-NQ41-000
10GbE Ports	4	2	1	0	0
40GbE Ports	0	0	0	2	1
Max. Data Rate	10Gb/s	10Gb/s	10Gb/s	40Gb/s	40Gb/s
Bus Type	PCIe 2.0 ¹ x8	PCIe 2.0 ¹ x8	PCIe 2.0 ¹ x8	PCIe 3.0 x8	PCIe 3.0 x8
Connector Type	Optical SFP+ LC	Optical SFP+ LC	Optical SFP+ LC	Optical QSFP+	Optical QSFP+
Low-Profile Form Factor	—	Yes	Yes	Yes	Yes
Warranty	3 year	3 year	3 year	3 year	3 year

ATTO FastFrame™ 10GBASE-T Network Interface Cards

Product Features	NT12	NT11
Part Number	FFRM-NT12-000	FFRM-NT11-000
10GbE Ports	2	1
Max. Data Rate	10Gb/s	10Gb/s
Bus Type	PCIe 2.0 ¹ x8	PCIe 2.0 ¹ x8
Connector Type	RJ45	RJ45
Low-Profile Form Factor	Yes	Yes
Warranty	3 year	3 year
Warranty	3 year	3 year

¹ Available for qualified OEM sales only.