

Adapter Cards - ONTAP 9.1 Fabric-Attached Storage - Current models (page 1 of 5)

	Part Number	Plug Type	Optical Module Included?	Supported Speeds	Data ONTAP (Min Release)	8200	9000
Block Access	X1132A-R6 ^[1] 4p 8Gb FC Op -PCIe	SFP	Yes	Fibre Channel 2/4/8 Gb	8.1.1, 8.2RC1, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	2	
	X1133A-R6 ^[1] 4p 16Gb FC SFP+ Op -PCIe3	SFP+	Yes	Fibre Channel 4/8/16 Gb	8.3, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1, 9.9.0	2	
	X1134A 2p 32Gb FC SFP+ Op -PCIe3	SFP+	Yes	Fibre Channel 8/16/32 Gb, NVMe/FC 16/32 Gb	9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1, 9.9.0	2	
	X1143A-R6 2p 16Gb 10Gb UTA2 Cu Op -PCIe	SFP+	No	Ethernet 10Gb, Fibre Channel 4/8/16 Gb	8.2.1RC2, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	2	
	X91134A 2p 32Gb FC Op -IO Module	SFP+	Yes	Fibre Channel 8/16/32 Gb, NVMe/FC 16/32 Gb	9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		8
	X91143A 4p 16Gb 10Gb UTA2 Cu Op -IO Module	SFP+	No	Ethernet 1/10 Gb, Fibre Channel 4/8/16 Gb	9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		8
	X1049C-R6 4p 1GbE NIC Cu -PCIe	RJ45	No	Ethernet 10/100/1000 Mb	7.2.5L1, 7.3.5.1, 8.0.2, 8.1, 8.2RC1, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	2	
	X1117A-R6 ^[2] 2p 10GbE NIC Cu Op -PCIe	SFP+	No	Ethernet 10Gb	8.0.1, 8.1, 8.2RC1, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	2	
	X1120A-R6 2p 10GBASE-T NIC Cu -PCIe	RJ45	No	Ethernet 1/10 Gb	8.2.1RC1, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	2	

Adapter Cards - ONTAP 9.1 Fabric-Attached Storage - Current models (page 2 of 5)

	Part Number	Plug Type	Optical Module Included?	Supported Speeds	Data ONTAP (Min Release)	8200	9000
Networking	X1143A-R6 2p 16Gb 10Gb UTA2 Cu Op - PCIe	SFP+	No	Ethernet 10Gb, Fibre Channel 4/8/16 Gb	8.2.1RC2, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	2	
	X1144A 2p 40GbE NIC Cu Op -PCIe3	QSFP+	No	Ethernet 40Gb, Ethernet 40Gb w/4x10Gb breakout	9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1, 9.9.0	2	
	X91120A 4p 10GBASE-T NIC -IO Module	RJ45	No	Ethernet 1/10 Gb	9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		8
	X91143A 4p 16Gb 10Gb UTA2 Cu Op -IO Module	SFP+	No	Ethernet 1/10 Gb, Fibre Channel 4/8/16 Gb	9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		8
	X91440A 2p 40GbE NIC Cu Op -IO Module	QSFP	No	Ethernet 40Gb, Ethernet 40Gb w/4x10Gb breakout	9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		8 [3]
NVRAM	X93140A NVRAM10 32GB -IO Module		No		9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		1
Performance Acceleration	X3311A [4] Flash Cache, 1.0TB, NVMe -M.2 PCIe		No		9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	2	
	X9170A [5] NVMe SSD Module (1 TB) -IO Module		No		9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		2
	X9172A NVMe SSD Module (4 TB) -IO Module		No		9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		2
	X1132A-R6 4p 8Gb FC Op -PCIe	SFP	Yes	Fibre Channel 2/4/8 Gb	8.1.1, 8.2RC1, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	2	
	X1133A-R6 4p 16Gb FC SFP+ Op -PCIe3	SFP+	Yes	Fibre Channel 4/8/16 Gb	9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1, 9.9.0	2	

Adapter Cards - ONTAP 9.1 Fabric-Attached Storage - Current models (page 3 of 5)


	Part Number	Plug Type	Optical Module Included?	Supported Speeds	Data ONTAP (Min Release)	8200	9000
Storage	X1143A-R6 2p 16Gb 10Gb UTA2 Cu Op - PCIe	SFP+	No	Ethernet 10Gb, Fibre Channel 4/8/16 Gb	8.2.1RC2, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	2	
	X91143A 4p 16Gb 10Gb UTA2 Cu Op -IO Module	SFP+	No	Ethernet 1/10 Gb, Fibre Channel 4/8/16 Gb	9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		8
	X92071A [6] 4p 12Gb SAS Cu -IO Module	MiniSAS HD	No	SAS 6/12 Gb	9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		8
Tape	X1132A-R6 4p 8Gb FC Op -PCIe	SFP	Yes	Fibre Channel 2/4/8 Gb	8.1.1, 8.2RC1, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	2	
	X1133A-R6 [7] 4p 16Gb FC SFP+ Op -PCIe3	SFP+	Yes	Fibre Channel 4/8/16 Gb	9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1, 9.9.0	2	
	X1143A-R6 [7] 2p 16Gb 10Gb UTA2 Cu Op - PCIe	SFP+	No	Ethernet 10Gb, Fibre Channel 4/8/16 Gb	8.2.1RC2, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	2	
	X91143A [7] 4p 16Gb 10Gb UTA2 Cu Op -IO Module	SFP+	No	Ethernet 1/10 Gb, Fibre Channel 4/8/16 Gb	9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		8
	X92071A [7] 4p 12Gb SAS Cu -IO Module	MiniSAS HD	No	SAS 6/12 Gb	9.1RC2, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1		8


Adapter Cards - ONTAP 9.1 Fabric-Attached Storage - Current models (page 4 of 5)

Legacy Cards

	Part Number	Plug Type	Optical Module Included?	Supported Speeds	Data ONTAP (Min Release)	EOA	EOS	8200
Block Access	X1130A-R6 4p 4Gb FC Op -PCIe	LC	No	Fibre Channel 1/2/4 Gb	7.3, 8.0, 8.1, 8.2RC1, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	19-Jun-2015	31-Jul-2020	2
Networking	X1048A-R6 4p 1GbE NIC Op -PCIe	LC	No	Ethernet 10/100/1000 Mb	8.0.4RC1, 8.1.1RC1, 8.2RC1, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	15-Sep-2017	30-Sep-2022	2
Storage	X2054A-R6 4p 4Gb FC Op -PCIe	LC	No	Fibre Channel 1/2/4 Gb	7.2.2, 7.3, 8.0, 8.1, 8.2RC1, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	16-May-2015	31-Aug-2020	2
	X2069-R6 4p 12Gb SAS Cu Op -PCIe	QSFP	No	SAS 3/6/12 Gb	8.2.3, 8.3.1RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1, 9.9.0	14-May-2018	30-Jun-2023	2
Tape	X2054A-R6 4p 4Gb FC Op -PCIe	LC	No	Fibre Channel 1/2/4 Gb	7.2.3, 7.3, 8.0, 8.1, 8.2RC1, 8.3RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	16-May-2015	31-Aug-2020	2
	X2069-R6 4p 12Gb SAS Cu Op -PCIe	QSFP	No	SAS 3/6/12 Gb	8.2.3, 8.3.1RC1, 9.0RC1, 9.1RC1, 9.2RC1, 9.3RC1, 9.4RC1, 9.5RC1, 9.6RC1, 9.7RC1, 9.8RC1	14-May-2018	30-Jun-2023	2

Adapter Cards - ONTAP 9.1 Fabric-Attached Storage - Current models (page 5 of 5)

 Not Supported

 Supported
(# - max per controller, HA configurations will support 2X the values shown)

Notes ID	Notes Description
1	Ports configurable as targets or initiators.
2	Install X6569-R6 SFP+ or twinax cable.
3	Optical breakout cable 4x10GbE configuration supported on both ports.
4	The FAS8200 base configuration ships with a 1TB NVMe Flash Cache adapter configured on each node. This can be upgraded to 2TB per node (4TB per HA pair)
5	The FAS9000 base configuration ships with a 1TB NVMe Flash Cache module configured on each node. This can be upgraded to 8TB per node (16TB per HA pair).
6	The base FAS9000 or AFF A700 configuration includes a 40GbE adapter in slot 4 (four) and a SAS HBA in slot 9 (nine).
7	Connecting tape drives or tape libraries to FC or UTA2 ports requires the use of an FC switch.