

Adaptec® SmartRAID Series

12 & 24 Gbps PCIe® Gen 3/Gen 4 SAS/SATA/NVMe® RAID Adapters

Product	Product Name	SKU	Product Description	Product Type	Port Count Supported Devices	Form Factor	CBE (Controller Based Encryption)	Physical Dimensions (Inch/mm)	Multimode	Bus Type	Cache Memory	Cache Protection	Internal Ports	External Ports	PCIe Lanes	Basic RAID	Advanced RAID
SmartRAID-3101-4i	SmartRAID 3101-4i	2291700-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 5.2" L (64 mm x 132.08 mm)	yes	PCIe Gen3	1 GB DDR4	NA	4	0	x8	0,1,10	5, 6, 50, 60
SmartRAID-3101e-4i	SmartRAID 3101e-4i	2304400-R	12 Gbps PCIe Gen3 Smart Storage Entry RAID	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 5.2" L (64 mm x 132.08 mm)	no	PCIe Gen3	1 GB DDR4	NA	4	0	x8	0,1,10	
SmartRAID-3102-8i	SmartRAID 3102-8i	2294800-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen3	2 GB DDR4	NA	8	0	x8	0,1,10	5, 6, 50, 60
SmartRAID-3102E-8i	SmartRAID 3102e-8i	2304200-R	12 Gbps PCIe Gen3 Smart Storage Entry RAID	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe Gen3	2 GB DDR4	NA	8	0	x8	0,1,10	
SmartRAID-3151-4i	SmartRAID 3151-4i	2294900-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen3	1 GB DDR4	ASCM35F (included)	4	0	x8	0,1,10	5, 6, 50, 60
SmartRAID-3152-8i	SmartRAID 3152-8i	2290200-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen3	2 GB DDR4	ASCM35F (included)	8	0	x8	0,1,10	5, 6, 50, 60
SmartRAID-3154-16i	SmartRAID 3154-16i	2295000-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen3	4 GB DDR4	ASCM35F (included)	16	0	x8	0,1,10	5, 6, 50, 60
SmartRAID-3154-24i	SmartRAID 3154-24i	2294700-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen3	4 GB DDR4	ASCM35F (included)	24	0	x8	0,1,10	5, 6, 50, 60
SmartRAID-3154-8e	SmartRAID 3154-8e	2290800-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen3	4 GB DDR4	ASCM35F (included)	0	8	x8	1,10,0	5, 6, 50, 60
SmartRAID-3154-8i	SmartRAID 3154-8i	2291000-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen3	4 GB DDR4	ASCM35F (included)	8	0	x8	0,10,1	5, 6, 50, 60
SmartRAID-3154-8i16e	SmartRAID 3154-8i16e	2294600-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen3	4 GB DDR4	ASCM35F (included)	8	16	x8	0,1,10	5, 6, 50, 60

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SmartRAID-3154-8i8e	SmartRAID 3154-8i8e	2295100-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-3	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen3	4 GB DDR4	ASCM35F (included)	8	8	x8	0,1,10	5, 6, 50, 60
SmartRAID-3204-8i	SmartRAID 3204-8i /e	32048IXS	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-4, NVMe	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 4	4 GB DDR4/3200 MHz	NA	8	0	x8	0,1,10	5, 6, 50, 60
SmartRAID-3252c-8i	SmartRAID 3252-8i /e	3252C8IXS	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-4, NVMe	Low-profile, MD2	Yes	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 4	2 GB DDR4	ASCM35F (included)	8	0	x8	0,1,10	5, 6, 50, 60
SmartRAID-3254-8i	SmartRAID 3254-8i	32548IXS	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA SAS-4 NVMe	Low-profile, MD2	NA	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 4	4 GB DDR4/3200 MHz	ASCM35F (included)	8	0	x8	0,1,10	5, 6, 50, 60
SmartRAID-3254c-16e	SmartRAID 3254-16e	3254C16EXS	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-4, NVMe	Low-profile, MD2	Yes	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 4	4 GB DDR4	ASCM35F (included)	0	16	x8	0,1,10	5, 6, 50, 60
SmartRAID-3254c-16i	SmartRAID 3254-16i	3254C16IX2S	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-4, NVMe	Low-profile, MD2	Yes	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 4	4 GB DDR4/3200 MHz	ASCM35F (included)	16	0	x8	0,1,10	5, 6, 50, 60
SmartRAID-3254uc-16e	SmartRAID Ultra 3254-16e /e	3254UC16EX2S	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-4, NVMe	Low-profile, MD2	Yes	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 4	4 GB DDR4/3200 MHz	ASCM40F (included)	0	16	x16	0,1,10	5, 6, 50, 60
SmartRAID-3258c-16i	SmartRAID 3258-16i /e	3258C16IX2S	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA,SAS-4,NVMe	Low-profile, MD2	Yes	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 4	8 GB DDR4/3200 MHz	ASCM35F (included)	16	0	x8	0,1,10	5, 6, 50, 60
SmartRAID-3258upc-16i	SmartRAID Ultra 3258p-16i /e	3258UPC16IX2S	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA, SAS-4, NVMe	Low-profile, MD2	Yes	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 4	8 GB DDR4/3200 MHz	ASCM40F (included)	16	0	x16	0,1,10	5, 6, 50, 60
SmartRAID-3258upc-32i	SmartRAID Ultra 3258-32i /e	3258UPC32IX2S	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - SmartRAID Adapters	RAID Adapter	SATA,SAS-4,NVMe	Full-height, half-length	Yes	4.376" H x 6.6" L (111.15 mm x 167.65 mm)	yes	PCIe Gen 4	8 GB DDR4/3200 MHz	ASCM40F (included)	32	0	x16	0,1,10	5, 6, 50, 60

Adaptec® HBA and Smart HBA Series

12 & 24 Gbps PCIe® Gen 3/Gen 4 SAS/SATA/NVMe® Host Bus Adapters



Product	Product Name	SKU	Product Description	Product Type	Port Count Supported Devices	Physical Dimensions (Inch/mm)	Multimode	Bus Type	Cache Memory	Cache Protection	External Ports	Internal Ports	PCIe® Lanes	Basic RAID	Advanced RAID
HBA-1100-16e	HBA 1100-16e	2293600-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - HBAs	Host Bus Adapter	SATA, SAS-3	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe® Gen 3	NA	NA	16	0	x8		
HBA-1100-16i	HBA 1100-16i	2293500-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - HBAs	Host Bus Adapter	SATA, SAS-3	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe Gen 3	NA	NA	0	16	x8		
HBA-1100-24i	HBA 1100-24i	2293800-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - HBAs	Host Bus Adapter	SATA, SAS-3	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe Gen 3	NA	NA	0	24	x8		
HBA-1100-4i	HBA 1100-4i	2293400-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - HBAs	Host Bus Adapter	SATA,SAS-3	2.535" H x 5.2" L (64 mm x 132.08 mm)	no	PCIe Gen 3	NA	NA	0	4	x8		
HBA-1100-8e	HBA 1100-8e	2293300-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - HBAs	Host Bus Adapter	SATA, SAS-3	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe Gen 3	NA	NA	8	0	x8		
HBA-1100-8i	HBA 1100-8i	2293200-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - HBAs	Host Bus Adapter	SATA, SAS-3	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe Gen 3	NA	NA	0	8	x8		
HBA-1100-8i8e	HBA 1100-8i8e	2293700-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - HBAs	Host Bus Adapter	SATA, SAS-3	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe Gen 3	NA	NA	8	8	x8		
HBA-1200-16e	HBA 1200-16e	120016EXS	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - HBA Adapters	Host Bus Adapter	SATA, SAS-4, NVMe	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe Gen 4	NA	NA	16	0	x8		
HBA-1200-16i	HBA 1200-16i	120016IX2S	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - HBA Adapters	Host Bus Adapter	SATA, SAS-4, NVMe	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe Gen 4	NA	NA	0	16	x8		
HBA-1200-8e	HBA 1200-8e	12008EXS	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - HBA Adapters	Host Bus Adapter	SATA, SAS-4, NVMe	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe Gen 4	NA	NA	8	0	x8		

Product	Product Name	SKU	Product Description	Product Type	Port Count Supported Devices	Physical Dimensions (Inch/mm)	Multimode	Bus Type	Cache Memory	Cache Protection	External Ports	Internal Ports	PCIe® Lanes	Basic RAID	Advanced RAID
HBA-1200-8i	HBA 1200-8i	12008iX2S	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - HBA Adapters	Host Bus Adapter	SATA, SAS-4, NVMe	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe Gen 4	NA	NA	0	8	x8		
HBA-1200u-16e	HBA Ultra 1200-16e	1200U16EX2S	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - HBA Adapters	Host Bus Adapter	SATA, SAS-4, NVMe	4.376" H x 6.6" L (111.15 mm x 167.65 mm)	no	PCIe Gen 4	NA	NA	16	0	x16		
HBA-1200up-16i	HBA Ultra 1200p-16i	1200UP16IX2S	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - HBA Adapters	Host Bus Adapter	SATA, SAS-4, NVMe	2.535" H x 6.6" L (64 mm x 167 mm)	no	PCIe Gen 4	NA	NA	0	16	x16		
HBA-1200up-32i	HBA Ultra 1200-32i	1200UP32IX2S	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - HBA Adapters	Host Bus Adapter	SATA, SAS-4, NVMe	4.376" H x 6.6" L (111.15 mm x 167.65 mm)	no	PCIe Gen 4	NA	NA	0	32	x16		
SmartHBA-2100-16i	SmartHBA 2100-16i	2302100-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartHBAs	Host Bus Adapter	SATA, SAS-3	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 3	NA	NA	0	16	x8	0,1,10	5
SmartHBA-2100-24i	SmartHBA 2100-24i	2301600-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartHBAs	Host Bus Adapter	SATA, SAS-3	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 3	NA	NA	0	24	x8	0,1,10	5
SmartHBA-2100-4i4e	SmartHBA 2100-4i4e	2292200-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartHBAs	Host Bus Adapter	SATA,SAS-3	2.535" H x 5.2" L (64 mm x 132.08 mm)	yes	PCIe Gen 3	NA	NA	4	4	x8	0,1,10	5
SmartHBA-2100-8i	SmartHBA 2100-8i	2290400-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartHBAs	Host Bus Adapter	SATA,SAS-3	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 3	NA	NA	0	8	x8	0,1,10	5
SmartHBA-2100-8i8e	SmartHBA 2100-8i8e	2301900-R	12 Gbps SAS/SATA PCIe Gen 3 Smart Storage Products - SmartHBAs	Host Bus Adapter	SATA, SAS-3	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 3	NA	NA	8	8	x8	0,1,10	5
SmartHBA-2200-16i	SmartHBA 2200-16i	220016IX2S	24 Gbps SAS/SATA/NVMe PCIe Gen 4 Smart Storage Products - SmartHBA Adapter	Host Bus Adapter	SATA, SAS-4, NVMe	2.535" H x 6.6" L (64 mm x 167 mm)	yes	PCIe Gen 4	NA	NA	0	16	x8	0,1,10	5