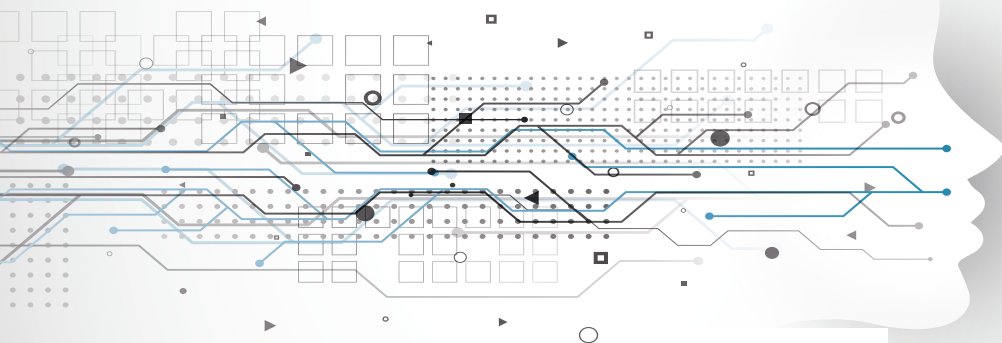


areca[®]



Areca Technology Corporation

TEL: +886-28797-4060

FAX: +886-28797-5970

Website: www.areca.com.tw

e-mail: support@areca.com.tw

sales@areca.com.tw

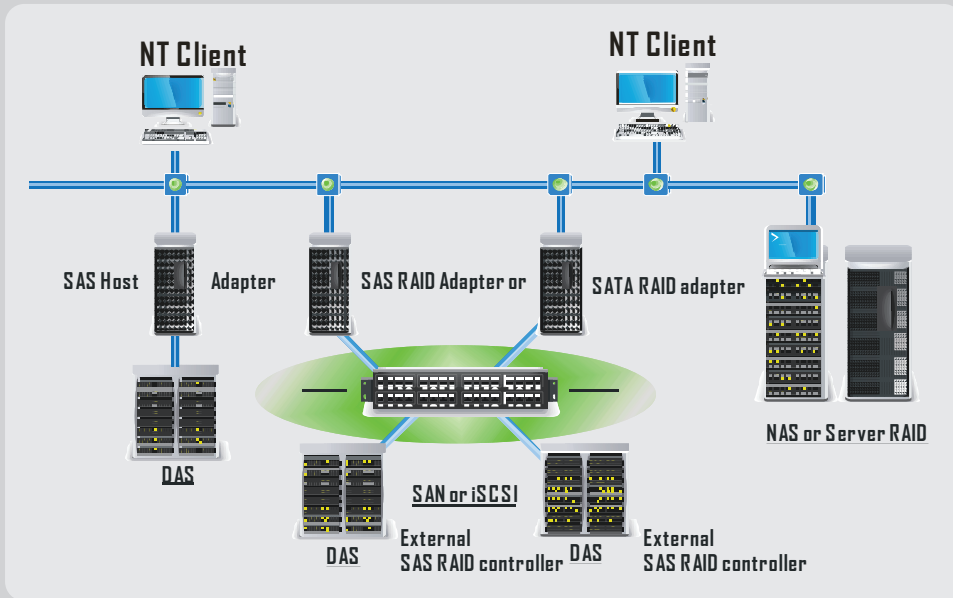
台北市114內湖區基湖路35巷22號8樓
8F., No.22, Lane 35, Ji-Hu Rd.,
Taipei city 114, Taiwan, R.O.C.

At the heart of storage
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Product Catalogue
2019

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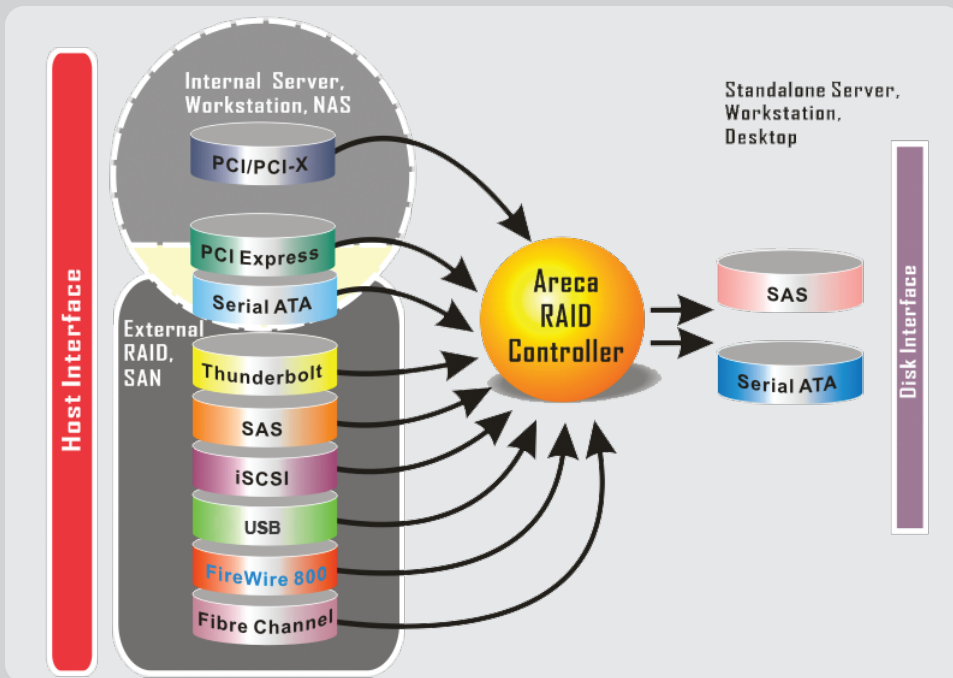
Areca Target Storage Application



Controller Advantages

- * RAID Level: 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk and JBOD
- * Multiple RAID 0 and RAID 10(1E) support (RAID 00 and RAID100)
- * Multiple RAID selection
- * Online array roaming
- * Offline RAID set
- * Online capacity expansion and RAID level migration simultaneously
- * Online RAID level/stripe size migration
- * Online volume set growth
- * Instant availability and background initialization
- * Support global and dedicated hot spare
- * Automatic drive insertion/removal detection and rebuilding
- * Multiple pairs SSD/HDD disk clone function
- * SSD automatic monitor clone (AMC) support
- * SED (Self-encrypting drives) function support
- * Support HDD firmware update
- * Support for native 4K and 512 byte sector SAS and SATA devices
- * Support intelligent power management to save energy and extend service life
- * Support NTP protocol synchronize RAID controller clock over the on

Areca RAID Controllers Provide I/O Interface Flexibility

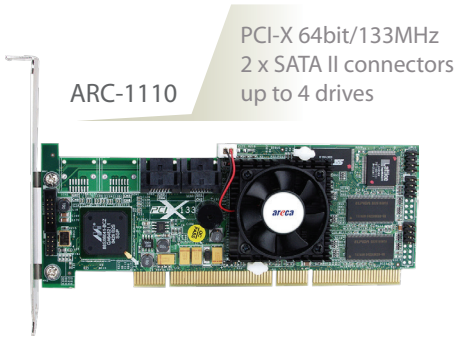


Driver Support

- * Mac OS X 10.4.x/macOS 10.12 or higher
- * Windows 10/8/Server 2012/7/2008/Vista/2003/2000/XP: SCSI Port/Stor Port
- * Linux: Debian/Gentoo/Ubuntu/CentOS
- * Linux/Redhat: Fedora Core/RHEL/OpenSUSE/Suse-SLES
- * NAS: FreeNAS/OpenFiler/Open-e-NAS
- * Unix/Solaris 10 & 11
- * BSD: FreeBSD/OpenBSD/NetBSD
- * Wasabi Systems Storage Builder: IP-SAN 3.0(NetBSD Kernel)
- * unRAID
- * xenServer
- * VMware
- * illumos

ARC-1110/1120 4/8 ports PCI-X to 3Gb/s SATA RAID Controllers

PCI-X



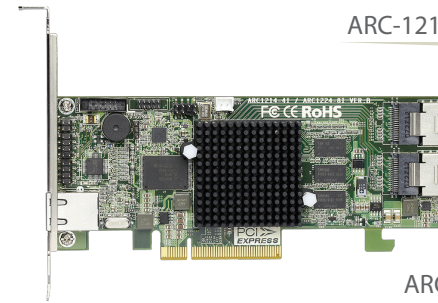
PCI-X 64bit/133MHz
2 x SATA II connectors
up to 4 drives



PCI-X 64bit/133MHz
4 x SATA II connectors
up to 8 drives

ARC-12x4 series 4/8/12/16 ports PCIe 2.0 6Gb/s SAS/SATA RAID Controllers

6Gb/s SAS



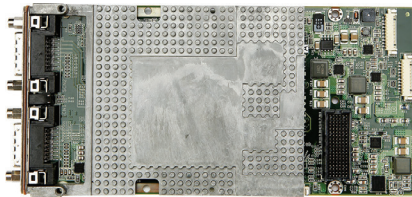
1 x SFF-8087
4 x 6Gb/s SAS ports
up to 4 drives

ARC-1224-8i

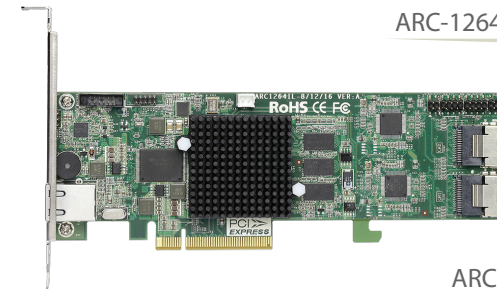
2 x SFF-8087
8 x 6Gb/s SAS ports
up to 8 drives

ARC-1882P XMC to 6Gb/s SAS/SATA RAID Controllers - Mezzanine Board

XMC



PCIe 3.0 x 8 lanes
2 x SFF-8470 connectors
up to 256 drives



3 x SFF-8087
12 x 6Gb/s SAS ports
up to 12 drives

ARC-1264il-16

4 x SFF-8087
16 x 6Gb/s SAS ports
up to 16 drives

RAID level :

- ARC-1110/1120: 0, 1, 10(1E), 3, 5, 6, Single Disk or JBOD
- ARC-1882P: 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD

I/O Processor: ARM_based 933MHz storage processor

Host Bus Type: PCIe 2.0 x8 Lanes

On-Board Cache: 1GB on-board DDR3-933 SDRAM with ECC protection

BBM Support: ARC-6120BAT121

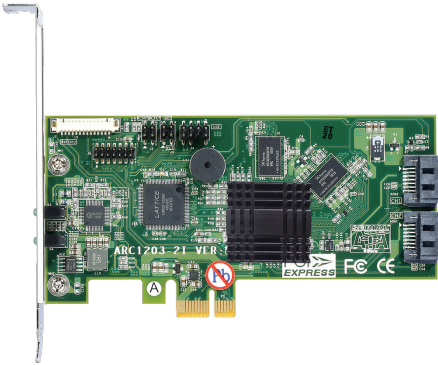
RAID level :

- ARC-1214-4i : 0, 1, 10(1E), 3, 5, 6, Single Disk or JBOD
- ARC-1224-8i/ARC-1264il-12/16 : 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD

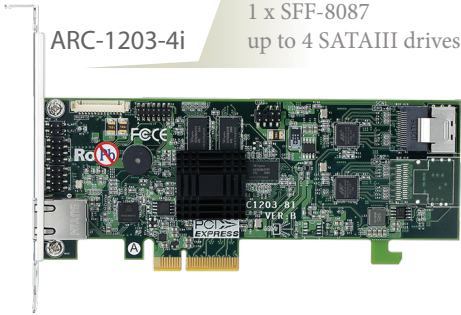
	ARC-1110	ARC-1120	ARC-1882P
I/O Processor	Intel IOP331		Dual Core 800Mhz
Host Bus Type	PCI-X 64Bit 133MHz		PCIe 3.0 x 8 lanes
On-Board Cache	DDR333 256MB		DDR3-1333 1GB
BBM Support	ARC-6120BAT113		ARC-6120BAT121
Disk Connectors	SATA x 2	SATA x 4	SFF-8470 x 2
Drives Support	4 x SATA II	8 x SATA II	256 SAS/SATA III

	ARC-1214-4i	ARC-1224-8i	ARC-1264il-12	ARC-1264il-16
Disk Connectors	1 x SFF-8087	2 x SFF-8087	3 x SFF-8087	4 x SFF-8087
Drives Support	Up to 4 / 8 / 12 / 16 x 6Gb/s SAS/SATA HDDs/SSD			

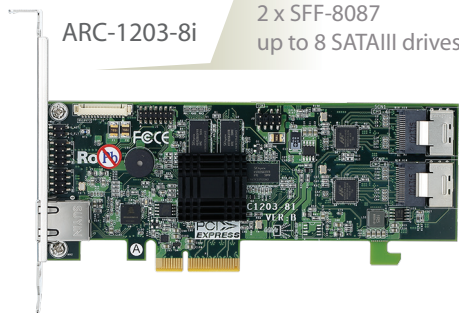
ARC-1203 series 2/4/8 ports PCIe 2.0 6Gb/s SATA RAID Controllers



ARC-1203-2i
PCIe 2.0 x 1 lane
2 x SATA III
up to 2 SATAIII drives



ARC-1203-4i
PCIe 2.0 x 4 lanes
1 x SFF-8087
up to 4 SATAIII drives



ARC-1203-8i
PCIe 2.0 x 4 lanes
2 x SFF-8087
up to 8 SATAIII drives

I/O Processor: ARM_based 1066Mhz storage I/O processor

On-Board Cache:

- ARC-1203-2i : 256MB on-board DDR3-1066 SDRAM with ECC protection
- ARC-1203-4i/8i : 512MB on-board DDR3-1066 SDRAM with ECC protection

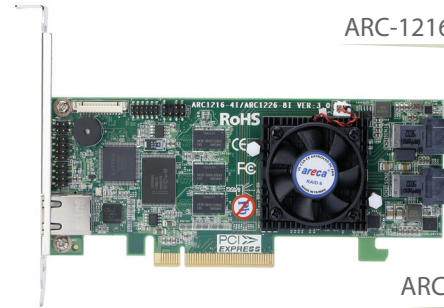
BBM Support: ARC-6120BAT121-12G

RAID level :

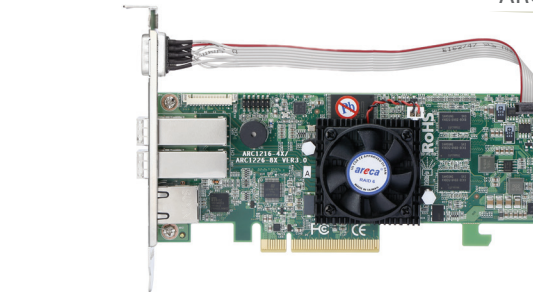
- ARC-1203-2i : 0, 1 and Single Disk
- ARC-1203-4i/8i : 0, 1, 10(1E), 3, 5, 6, 30, 50, 60 and Single Disk

	ARC-1203-2i	ARC-1203-4i	ARC-1203-8i
Host Bus Type	PCIe 2.0 x 1 Lane	PCIe 2.0 x 4 Lanes	
Form Factor	64 (H) x 134 (L) mm	64 (H) x 168 (L) mm	
Disk Connectors	SATA III x 2	SFF-8087 x 1	SFF-8087 x 2
Drives Support	2 x SATA III	4 x SATA III	8 x SATA III

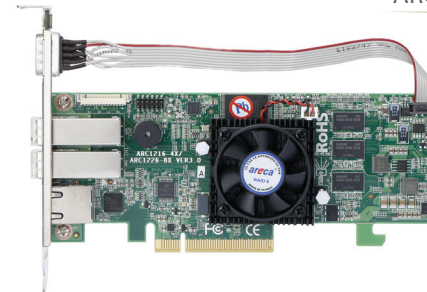
ARC-12x6 series 4/8 ports PCIe 3.0 12Gb/s SAS RAID Controllers



ARC-1216-4i
1 x SFF-8643
4 x 12Gb/s SAS ports
up to 4 drives



ARC-1226-8i
2 x SFF-8643
8 x 12Gb/s SAS ports
up to 8 drives



ARC-1216-4x
1 x SFF-8644
4 x 12Gb/s SAS ports
up to 4 drives



ARC-1226-8x
2 x SFF-8644
8 x 12Gb/s SAS ports
up to 8 drives

I/O Processor: Dual Core RAID-on-Chip 1.2GHz Processor

Host Bus Type: PCIe 3.0 x8 Lanes

On-Board Cache: 1GB on-board DDR3-1600 SDRAM with ECC protection

BBM Support: ARC-6120BAT121-12G

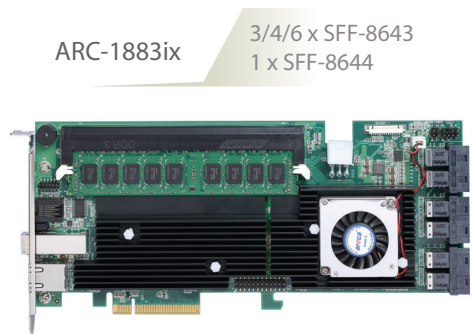
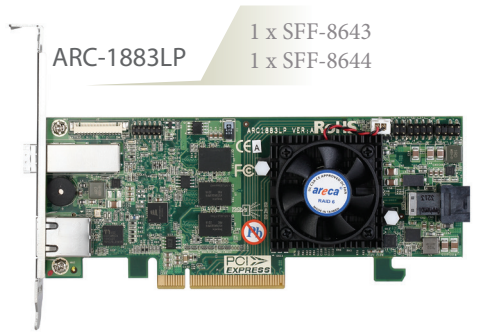
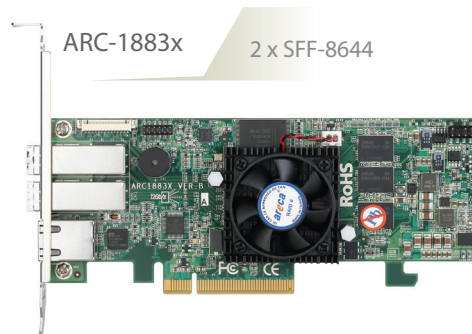
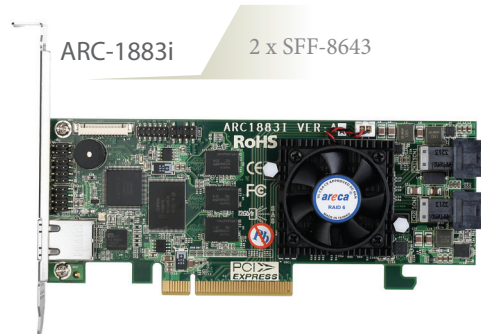
Drives Support: Up to 4 / 8 x 12Gb/s SAS/SATA HDDs/SSD

RAID level :

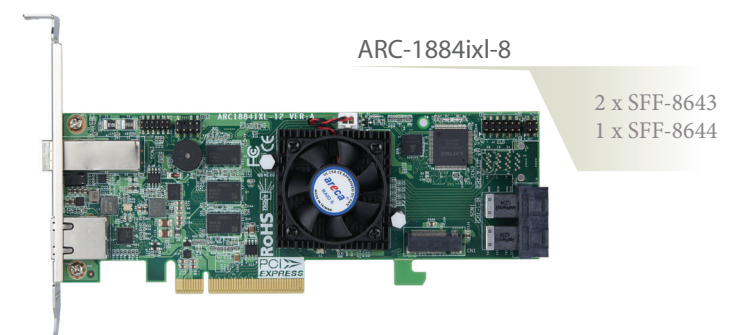
- ARC-1216-4i/4x: 0, 1, 10(1E), 3, 5, 6, Single Disk or JBOD
- ARC-1226-8i/8x: 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD

	ARC-1216-4i	ARC-1226-8i	ARC-1216-4x	ARC-1226-8x
Disk Connectors	1 x SFF-8643	2 x SFF-8643	1 x SFF-8644	2 x SFF-8644
Enclosure Ready	Individual Activity/Faulty Header, Serial Bus and SGPIO		External Serial Bus	

ARC-1883 series 8/16/20/28 Ports 12Gb/s SAS/SATA RAID Controllers



ARC-1884ixl series 12/16 ports PCIe 3.0 12Gb/s SAS RAID Controllers



I/O Processor: Dual Core RAID-on-Chip 1.2GHz Processor

Host Bus Type: PCIe 3.0 x8 Lanes

RAID Level: 0, 1, 1E, 3, 5, 6, 10, 30, 50, 60, Single Disk, JBOD

BBM Support: ARC-1883-CAP(support cache 2GB) / ARC-1883-BAT / ARC-6120BA-T121-12G

Drives Support: Up to 512 12Gb/s SAS or 6Gb/s and 3Gb/s SAS/SATA HDDs/SSD

Management Port: In-Band: PCIe / Out-of-Band: BIOS, LCD and LAN Port

Enclosure Ready: Individual Activity/Faulty Header, SGPIO, SMP, SES-2

On-Board Cache:

【ARC-1883i/x/LP】 2GB on-board DDR3-1866 SDRAM with ECC protection

【ARC-1883ix-12/16/24】 One 240-pin DIMM socket for 2GB(default)

- up to 4GB or 8GB DDR3-1866, 1RX8, or

- up to 4GB or 8GB DDR3-1600, 2RX8, Unbuffered/ Registered ECC module

I/O Processor: Dual Core RAID-on-Chip 1.2GHz Processor

Host Bus Type: PCIe 3.0 x8 Lanes

RAID Level: 0, 1, 1E, 3, 5, 6, 10, 30, 50, 60, Single Disk, JBOD

BBM Support: ARC-6120BA-T121-12G

Drives Support: Up to 512 12Gb/s SAS or 6Gb/s and 3Gb/s SAS/SATA HDDs/SSD

Management Port: In-Band: PCIe / Out-of-Band: BIOS, LCD and LAN Port

Enclosure Ready: Individual Fault Header, SGPIO, SMP and SES2

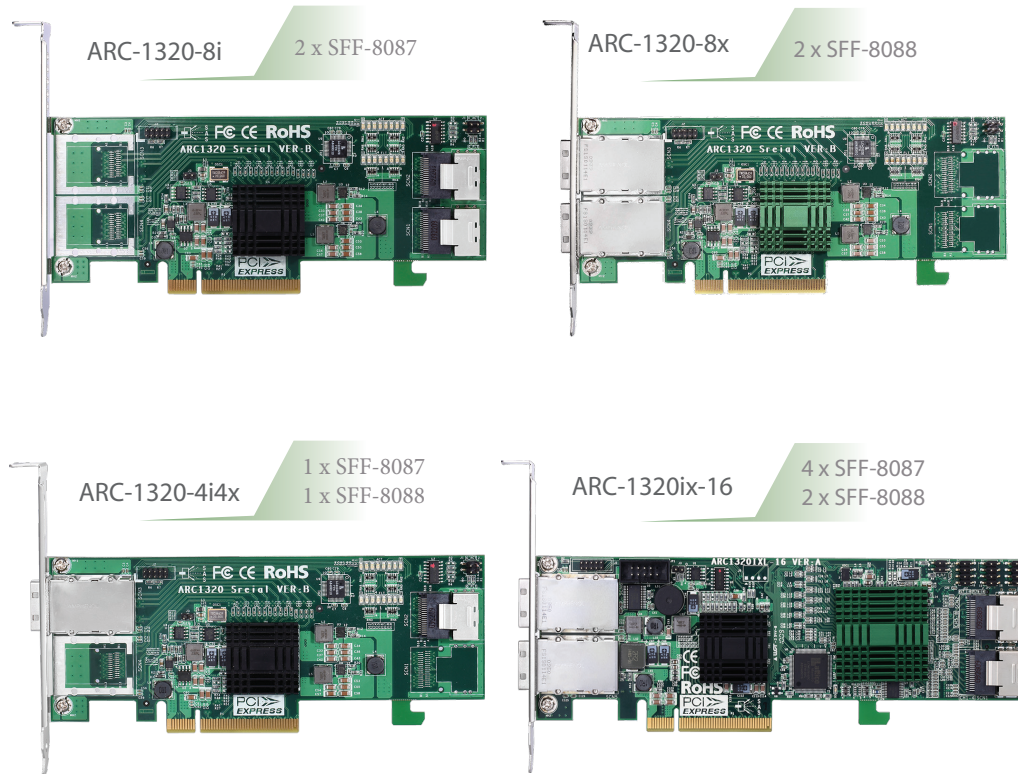
On-Board Cache: 2GB on-board DDR3-1866 SDRAM with ECC protection

	ARC-1883i	ARC-1883x	ARC-1883LP	ARC-1883ix
Disk Connectors	2 x SFF-8643	2 x SFF-8644	1 x SFF-8643 1 x SFF-8644	3/4/6 x SFF-8643 1 x SFF-8644

	ARC-1884ixl-8	ARC-1884ixl-12
Disk Connectors	2 x SFF-8643 / 1 x SFF-8644	3 x SFF-8643 / 1 x SFF-8644

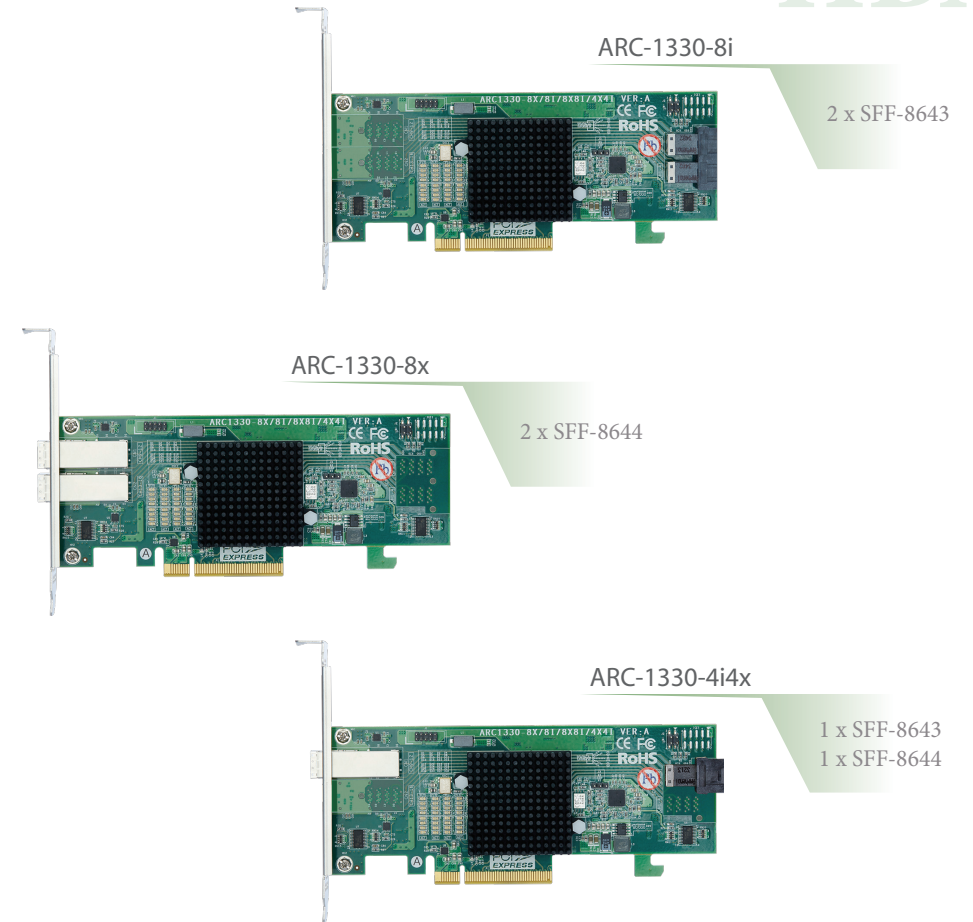
ARC-1320 series 8/24 ports PCIe 2.0 6Gb/s SAS Host Adapters

6Gb/s SAS HBA



ARC-1330 series 8 ports PCIe 3.0 12Gb/s SAS Host Adapters

12Gb/s SAS HBA



	ARC-1320-8i	ARC-1320-8x	ARC-1320-4i4x	ARC-1320ix-16
Disk Connectors	2 x SFF-8087	2 x SFF-8088	1 x SFF-8087 1 x SFF-8088	3/4/6 x SFF-8087 1 x SFF-8088
Drives Support	MD2 Low Profile: 64 (H) x 168 (L) mm			64 (H) x 214 (L) mm
Host Bus Type	PCIe 2.0 x8 Lanes			
Drives Support	Up to 128 x 3Gb/s and 6Gb/s SAS/SATA HDDs/SSD			

	ARC-1330-8i	ARC-1330-8x	ARC-1330-4i4x
Disk Connectors	2 x SFF-8643	2 x SFF-8644	1 x SFF-8643 1 x SFF-8644
Drives Support	64 (H) x 167 (L) mm		
Host Bus Type	PCIe 3.0 x8 Lanes		
Drives Support	Up to 128 x 3Gb/s, 6Gb/s and 12Gb/s SAS/SATA HDDs/SSD		

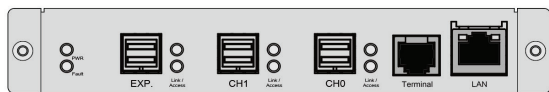
ARC-71xx series subsystem 12Gb/s SATA to SAS RAID Storage Subsystem



	ARC-7108MS-HR2	ARC-7112MS-HR2	ARC-7116MS-HR3	ARC-7124MS-HR4
Form Factor	2U-8 bays	2U-12 bays	3U-16 bays	4U-24 bays

I/O Processor: Quad Core ARM V7 1.2 GHz processor
 Host Bus Type: 1 x 6Gb/s eSATA + 1 x USB 3.0 + 4 x 1Gbps iSCSI
 On-Board Cache: 2GB DDR3-1200 SDRAM
 Disk Interface: 6Gb/s and 3Gb/s SATA HDDs/SSDs
 Power Supply / In / Out: Dual 400W / Triple 400W
 RAID Level: 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD
 BBM Support: ARC-6120BA-T121-7

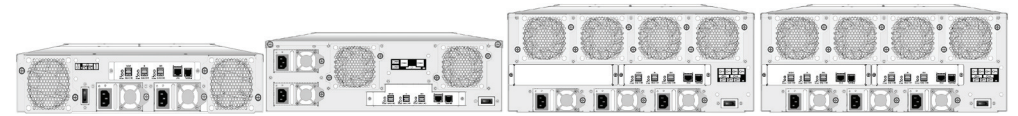
ARC-72xx series Subsystem 12Gb/s SAS to SAS RAID Storage Subsystem



	ARC-7208SS-DR2	ARC-7212SS-DR2	ARC-7216SS-DR3
Form Factor	2U-8 bays	2U-12 bays	3U-16 bays

I/O Processor: Dual Core PPC476 1.2 GHz processor
 Host Bus Type: 2 x 12Gb/s SAS ports (4-lanes per port)
 On-Board Cache: 2Gb DDR3-1866 SDRAM with ECC Protection
 Disk Interface: 12Gb/s SAS or 6Gb/s and 3Gb/s SAS/SATA HDDs/SSDs
 Power Supply / In / Out: Dual 400W
 RAID Level: 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD
 BBM/FBM Support: ARC-6120BAT121-7 / ARC-1883CAP-7

ARC-72xx series JBOD 12 Gb/s SAS JBOD Enclosure



	ARC-7212JS-TR2	ARC-7216JS-TR3	ARC-7224JS-TR4	ARC-7224JD-TR4
Module Support	Single			Dual
Form Factor	2U-12 bays	3U-16 bays	4U-24 bays	

I/O Processor: ARM Cortex-R4 processor
 Host Interface: 2 x 12Gb/s Min SAS HD 4x wide ports via two SFF-8644 connections
 Expansion Interface: 1 x 12Gb/s Min SAS HD 4x wide port via one SFF-8644 connection
 Disk Bus Interface: 12Gb/s SAS or 6Gb/s and 3Gb/s SAS/SATA HDDs/SSDs
 Management Port: CLI through out-of-band RS-232 serial port

ARC-5066-CL series eSATA/USB3.0/iSCSI to 6Gb/s SATA RAID - Cable Solution



ARC-5066CL-12	ARC-5066CL-16	ARC-5066CL-24
3 * SFF-8087	4 * SFF-8087	6 * SFF-8087

I/O Processor: Quad Core ARM V7 1.2GHz
 Host Bus Type: 1 x 6Gb/s eSATA + 1 x USB 3.0 + 4 x 1Gbps iSCSI
 On-Board Cache: 2GB DDR3-1200 SDRAM
 Internal Connector: 3 / 4 / 6 x SFF-8087 Connectors
 Drive Interface: up to 12 / 16 / 24 x 6Gb/s SATA ports
 Management Port: In-Band: SES-3 / Out-of-Band: LCD and LAN Port
 Enclosure Ready: Individual Activity/Fault LED Header, Serial Bus Interface
 RAID Level: 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD
 Form Factor: One 5.25" Half-height Drive Bay [146(W) x 40(H) x 200(L)mm]
 BBM Support: ARC-6120BAT121-7

ARC-9200 RAID Head series SAS/Fibre/iSCSI to 12Gb/s SAS RAID Head



	ARC-9200-SAS	ARC-9200-2FC/4FC	ARC-9224-iSCSI
Host Interface	2 x 12Gb/s SAS	2 / 4 x 16Gb/s FC	2 x 10Gb/s iSCSI
Single Ctrl Model No.	ARC-9200SS-DR1	ARC-9200FS-DR1/ARC-9200FS-QR1	ARC-9200IS-DR1
Dual Ctrl Model No.	ARC-9200SD-DR1	ARC-9200FD-DR1/ARC-9200FD-QR1	ARC-9200ID-DR1

I/O Processor: Dual Core RAID-on-Chip 1.2GHz Processor

Management Port: In-Band: SES-3 / Out-of-Band: LCD, RS232, LAN Port

On-Board Cache:

One 204-pin SO-DIMM socket for 2GB (default) DDR3-1600, 1RX8/2RX8, ECC module - up to 4GB or 8GB DDR3-1600, 1RX8/2RX8, Unbuffered/Registered ECC module

Max. Drives per RAID Ctrl:

Up to 512 12Gb/s SAS or 6Gb/s and 3Gb/s SAS/SATA HDDs/SSD, using 12Gb/s SAS JBOD

Expansion Port: Dual downstream SFF-8644 (4 x 12Gb/s) expansion ports per controller

Power Supply / In / Out: Dual 200W

RAID Level: 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD

BBM/FBM Support: ARC-1883-BAT-7/ARC-1883-CAP-7

ARC-92xx series subsystem 12Gb/s SAS-based Storage Subsystem



Chasis Name	ARC-9212-R2	ARC-9216-R3	ARC-9224-R2	ARC-9224-R4
Host Interface	2U-12 bays	3U-16 bays	2U-24 bays	4U-24 bays
Single Ctrl Model No.	9212SS-DR2 / 9212FS-DR2 9212FS-QR2 / 9212IS-DR2	9216SS-DR3 / 9216FS-DR3 9216FS-QR3 / 9216IS-DR3	9224SS-DR2 / 9224FS-DR2 9224FS-QR2 / 9224IS-DR2	9224SS-DR4 / 9224FS-DR4 9224FS-QR4 / 9224IS-DR4
Dual Ctrl Model No.	9212SD-DR2 / 9212FD-DR2 9212FD-QR2 / 9212ID-DR2	9216SD-DR3 / 9216FD-DR3 9216FD-QR3 / 9216ID-DR3	9224SD-DR2 / 9224FD-DR2 9224FD-QR2 / 9224ID-DR2	9224SD-DR4 / 9224FD-DR4 9224FD-QR4 / 9224ID-DR4

I/O Processor: Dual Core RAID-on-Chip 1.2GHz Processor

Management Port: In-Band: SES-3 / Out-of-Band: LCD, RS232, LAN Port

On-Board Cache: One 240-pin DIMM socket for 2GB(default)

up to 8GB DDR3-1866, 1Rx8, ECC module or 8GB DDR3-1600, 2Rx8, ECC module

Disk Interface: Up to 512 12Gb/s SAS/SATA/SSD Devices, Using one SFF-8644 Port

Power Supply / In / Out: Dual 595W

RAID Level: 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD

BBM/FBM Support: ARC-8008-FBN + ARC-8006-2 / ARC-8008-FBN + ARC-8008-FB

ARC-92xx series JBOD 12Gb/s SAS-based Storage Enclosures



Chasis Name	ARC-9212-R2	ARC-9216-R3	ARC-9224-R2	ARC-9224-R4
Host Interface	2U-12 bays	3U-16 bays	2U-24 bays	4U-24 bays
Single Ctrl Model No.	ARC-9212JS-TR2	ARC-9216JS-TR3	ARC-9224JS-TR2	ARC-9224JS-TR4
Dual Ctrl Model No.	ARC-9212JD-TR2	ARC-9216JD-TR3	ARC-9224JD-TR2	ARC-9224JD-TR4

Host Interface:

- Host Interface per Expander Module :

- Two 12Gb/s Min SAS HD 4x wide ports via two SFF-8644 connections

- Expansion Interface per Expander Module :

- One 12Gb/s Min SAS HD 4x wide port via one SFF-8644 connection

Disk Interface: 12Gb/s SAS or 6Gb/s and 3Gb/s SAS/SATA HDDs/SSDs

Management Port: CLI through out-of-band RS-232 serial port

Enclosure Protocol: SES 3.0 via inband SAS SMP protocol

Power Supply / In / Out:

- Dual 595W hot swap, N+1 redundant with PFC

- Supports 100-240VAC input at 47 and 63Hz frequency

ARC-8088 series SAS/Fibre/iSCSI to 12Gb/s SAS RAID - Cable Solution



	ARC-8088-2S	ARC-8088-2F	ARC-8088-4F	ARC-8088-2I
Controller Name	ARC-8380	ARC-8681	ARC-8682	ARC-8780
Daughter Board	ARC-8108	ARC-8607	ARC-8607-4	ARC-8307
Host Connector	2 * SFF-8644	2 * SFP+	4 * SFP+	2 * SFP+
Host Bus	2 x 12Gps SAS * 4 lanes	2 x 16Gps Fibre	4 x 16Gps Fibre	2 x 10Gps iSCSI

I/O Processor: Dual Core RAID-on-Chip 1.2GHz Processor

On-Board Cache: 2GB on-board DDR3-1866 SDRAM

Internal Connectors: 6 x SFF-8643 connectors

Drive Interface: up to 24 x 12Gb/s SAS ports

Max. Drives per RAID Ctrl:

Up to 512 12Gb/s SAS or 6Gb/s and 3Gb/s SAS/SATA HDDs/SSD, using 12Gb/s SAS JBOD

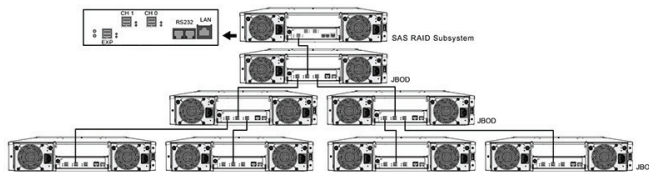
Management: In-Band: SES-3 / Out-of-Band: LCD, RS232, LAN Port

Dimension: 146(W) x 43(H) x 250(L)mm

BBM Support: ARC-6120BAT121-8 / ARC-1883-BAT-8 / ARC-1883-CAP-8

ARC-8028-24 12Gb/s SAS Expander - Cable Solution

Expander



- I/O Processor: ARM Cortex-R4 processor
- Internal Connectors: 6 x SFF-8643 connectors
- Drive Interface: Up to 24 12Gb/s SAS or 6Gb/s SATA Drives per expander
- External Connectors: 3 x SFF-8644 Min SAS HD connectors
- Power Connector: 1 x 6-pin PCI-E power connector
- Dimension: 146(W)*40(H)*290(D)mm
- Management: In-band: SAS port / Out-of-band: RS232 serial port

ARC-4607T2/4320T2/4883T2 Thunderbolt™ 2 Adapter

ARC-4607T3/4108T3/4883T3 Thunderbolt™ 3 Adapter

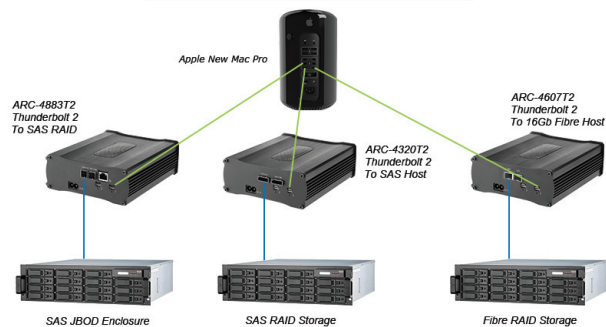
Expansion



	ARC-4607T2/T3	ARC-4320T2	ARC-4883T2/T3	ARC-4108T3
Device Channel	2 x 16Gb/s Fibre	8 x 6Gb/s SAS	8 x 12Gb/s SAS	8 x 12Gb/s SAS
Device Connector	2 x SFP+	2 x SFF-8088	2 x SFF-8644	2 x SFF-8644
Controller Inside	ARC-8607	ARC-1320	ARC-1883x	ARC-8108

DAS Solution for Video Editing

DAS Solution for Video Editing



ARC-4038-8/-12/ML 12 Gb/s SAS JBOD Enclosure

JBOD



	ARC-4038ML	ARC-4038-8	ARC-4038-12	ARC-8042-12
Host Interface	2 x SFF-8644	2 x SFF-8644 + 1 x SFF-8088	2 x SFF-8644	
Expansion	N/A	2 x SFF-8644		1 x SFF-8644

ARC-8050T3 series Thunderbolt™ 3 RAID Storage

Thunderbolt 3



	ARC-8050T3-4	-6M	-6	-8	-12
I/O Processor	One-Core 800MHz 6G SAS ROC	Dual Core 1.2GHz SAS ROC			
Host Interface	Thunderbolt 3 x 2 / Display Port x 1				
Expansion	N/A	SFF-8644 (2-lanes)		N/A	SFF-8644 (4-lanes)
Form Factor	Desktop 4-bays	Desktop 6-bays		Desktop 8-bays	Desktop 12-bays
Cache	1GB DDR3-800		2GB DDR3-1866		
BBM Support	N/A		ARC-6120BAT021-T3		

RAID level :

- ARC-8050T3-4 : 0, 1, 10, 3, 5, 6, Single Disk, JBOD
- ARC-8050T3-6/6M/8/12: 0, 1, 10(1E), 3, 5, 6, 30, 50, 60, Single Disk or JBOD

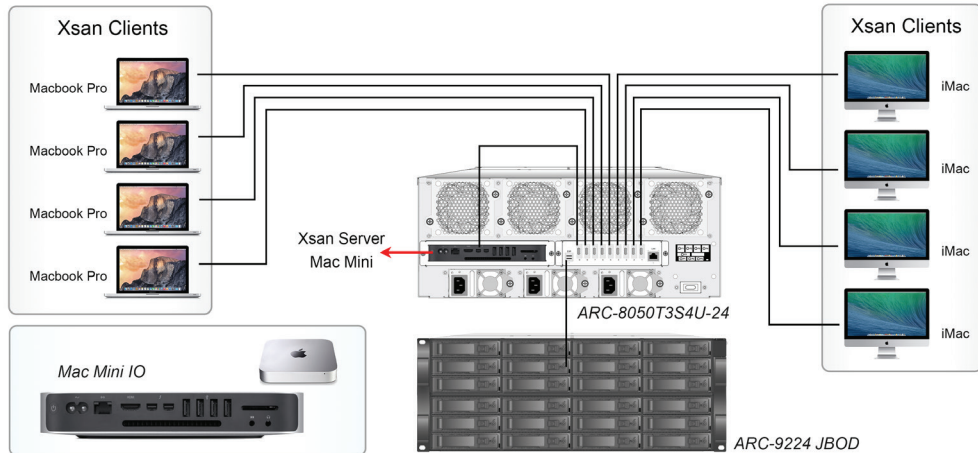
ARC-8050T3 Rackmount Thunderbolt™ 3 Rackmount



	ARC-8050T3-12R	ARC-8050T3-24R	ARC-8050T3 SAN
Form Factor	2U-12 bays 19-inch	4U-24 bays 19-inch	
On Board Cache	2GB DDR3-1866	2GB DDR3-1866	4GB DDR3-1866
Host Interface	Thunderbolt™ 3 x 2 / Display Port		Thunderbolt™ 3 x 9

I/O Processor: Dual Core 1.2GHz SAS ROC
 Expansion Interface: 1 x SFF-8644 expansion up to 512 HDDs
 Disk Bus Interface: 12/24 x 12Gb/s 3.5"/2.5" SAS/SATA HDDs/SSDs
 Management Port: Thunderbolt, LCD and LAN Port
 RAID Level: 0,1,10,1E,3,5,6,30,50,60,Single Disk,JBOD
 BBM Support: ARC-6120BAT021-T3

SAN Solution for Video Editing



ARC-8050U3-6 6-bays USB 3.2 Gen 2 to 12Gb/s SAS RAID storage

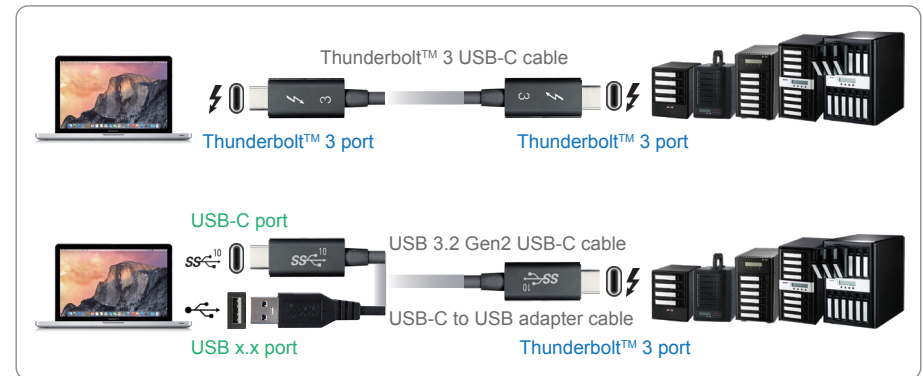


I/O Processor: Dual Core 1.2GHz SAS ROC
 On-Board Cache: 2GB on-board DDR3-1866 SDRAM
 Host Interface: 1 x USB 3.2 Gen 2
 Expansion Interface: 1 x SFF-8644 expansion (2-lanes)
 System Requirements: Computer with a USB-C or Thunderbolt™ 3 port
 Management Port: LCD and LAN Port
 Physical Dimensions (H x W x D): 4.84 x 8.45 x 9.11 in (146.4x255x290 mm)
 RAID Level: 0, 1, 1E, 3, 5, 6, 10, 30, 50, 60, Single Disk or JBOD
 BBM Support: ARC-6120BAT021-T3

ARC-8050T3U series Thunderbolt™ 3 and USB 3.2 Gen2 RAID Storage



	ARC-8050T3U-4	-6M	-6	-8	-12
I/O Processor	One-Core 800MHz 6G SAS ROC	Dual Core 1.2GHz SAS ROC			
Host Interface	Thunderbolt 3 x 2 / Display Port x 1				
Expansion	N/A	SFF-8644 (2-lanes)	N/A	SFF-8644 (4-lanes)	
Computer Port Type	Thunderbolt™ 3, USB-C, USB X.X				
Cache	1GB DDR3-800	2GB DDR3-1866			
RAID Level	0, 1, 10, 3, 5, 6, Single Disk, JBOD	0, 1, 10, 3, 5, 6, 30, 50, 60, Single Disk, JBOD			



Battery/Flash-based Back-up Modules for RAID Adapters

ARC-6120BAT121 P/N: 91-6120BA-T121



For
ARC-1882 (IX\LP\IX-xx)
ARC-12x4 (4\8\16\12\16\16\ML-24)
Cable: 2600-1C1212-HI00

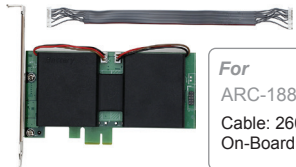
ARC-6120BAT121-12G P/N: 91-6120BA-T121-12G



For
ARC-1203
ARC-12x6
ARC-1884ix\8/12
ARC-1882P
ARC-1883 (IX\LP\ix\l)
Cable: 2600-1C1412-HI00

ARC-1883-BAT

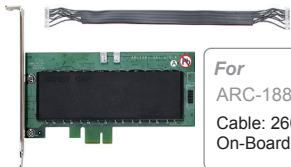
P/N: 91-1883BA-T00C



For
ARC-1883ix-12/16/24
Cable: 2600-1C1414-HH00
On-Board Cache: up to 4-8GB

ARC-1883-CAP

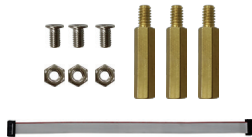
P/N: 91-1883CA-P00C



For
ARC-1883 series
Cable: 2600-1C1414-HH00
On-Board Cache: default (2GB)

Battery Back-up Modules for RAID Storage or Subsystem

ARC-6120BAT021 P/N: 91-6120BA-T021



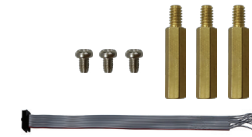
For
ARC-8040
ARC-8050T2
Cable: 2600-1C1212-HI00

ARC-6120BAT121-7 P/N: 91-6120BA-T121-7



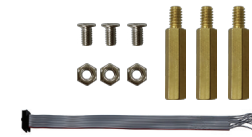
For
ARC-5066CL
ARC-71xx
ARC-72xx
ARC-8050T3-12R/24R
ARC-8050T3 SAN
Cable: 2600-1C1412-HI00

ARC-6120BAT121-8 P/N: 91-6120BA-T121-8



For
ARC-8088 series
Cable: 2600-1C1412-HI00

ARC-6120BAT021-T3 P/N: 91-6120BA-T021-T3



For
ARC-8042
ARC-8050T3-6/8/12
Cable: 2600-1C1412-HI00

ARC-8008-BBN P/N: 91-800800-BB0C



+



For
ARC-8008 series
ARC-92xx subsystem
Cable: 26WA-1C0303-0900

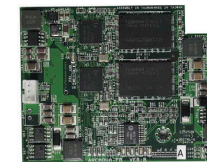
Flash-based Back-up Modules for RAID Storage or Subsystem

ARC-8008-FBN P/N: 91-800800-FB0B **For** ARC-8008 series / ARC-92xx subsystem

ARC-8008-FBN-242U P/N: 91-800800-FB0B-242U **For** ARC-9224R2 (2U-24bay)



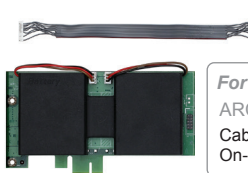
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Cable: 26WA-1C0303-0900

ARC-1883-BAT-7

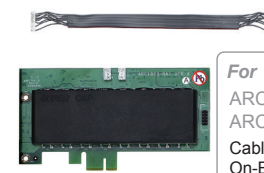
P/N: 91-1883BA-T00C-7



For
ARC-9200
Cable: 2600-1C1414-HH00
On-Board Cache: up to 4-8GB

ARC-1883-CAP-7

P/N: 91-1883CA-P70C



For
ARC-72xx
ARC-9200
Cable: 2600-1C1414-HH00
On-Board Cache: default (2GB)

Flash-based Back-up Modules For RAID Storage or Subsystem *for Storage*

ARC-1883-BAT-8

P/N: 91-1883BA-T00C-8



For
ARC-8088 series
Cable: 2600-1C1414-HH00
On-Board Cache: up to 4~8GB

ARC-1883-CAP-8

P/N: 91-1883CA-P00C-8



For
ARC-8088 series
Cable: 2600-1C1414-HH00
On-Board Cache: default (2GB)

Control Panel LCD Setup / Monitor Control Panel LCD Module

LCD

ARC-1019 Areca Order No.: 91-1019CB-B10A



5.25" LCD
for ARC-11xx(ML), ARC-12xx(4i\4x\8i\8x),
ARC-1680IX-xx, ARC-12x4(ii-12ii-16\ML-24),
and ARC-188x(i\X\LP\IX-xx)

ARC-1035 Areca Order No.: 91-103500-000B



3.5" LCD
for ARC-11xx(ML), ARC-12xx(4i\4x\8i\8x),
ARC-1680IX-xx, ARC-12x4(ii-12ii-16\ML-24),
and ARC-188x(i\X\LP\IX-xx)

Cables & Connectors

Mini SAS HD controller to SAS HD/SAS/SATA backplane and SATA disk drives



Areca Order No.: 26II-1C4343-0175 Areca Order No.: 26II-1C4336-0175 Areca Order No.: 26II-1C4307-0175

Mini SAS HD controller to SAS HD external enclosure



Areca Order No.: 26EE-1C4444-0100 Areca Order No.: 26EE-1C4426-0100

Mini SAS controller to SAS/SATA backplane and SATA disk drives



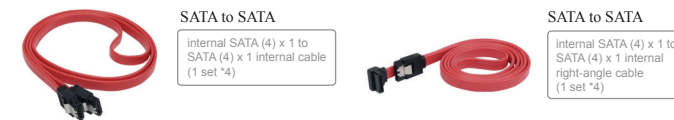
Areca Order No.: 26II-1C3636-6175 Areca Order No.: 26II-1C3607-6175 Areca Order No.: 26IS-1C3629-7500

Mini SAS controller to SAS external enclosure



Areca Order No.: 26EE-1C2626-0100

SATA controller to SATA backplane and SATA disk drives



Areca Order No.: 2600-101007-0200 Areca Order No.: 2600-101007-0401

eSATA controller to eSATA external enclosure



eSATA to eSATA
external eSATA x 1 to eSATA x 1 external cable

Areca Order No.: 26ES-1C0707-1000

USB 3.2 Gen 1 controller to USB 3.2 Gen 1 external enclosure



USB 3.2 Gen 1 Micro-B to Standard-A
external USB 3.2 Gen 1 Micro-B to external USB 3.2 Gen 1 Standard-A cable

Areca Order No.: 26UB-1CA3M3-1S00

Thunderbolt controller to Thunderbolt external enclosure



Thunderbolt 2
external Thunderbolt 2 x 1 to Thunderbolt 2 x 1 external cable (1 meter long)

Areca Order No.: 26TB-1C1010-1M00



Thunderbolt 3
external Thunderbolt 3 x 1 to Thunderbolt 3 x 1 external cable (0.5 meter long)

Areca Order No.: 26TC-1C1212-1M00

USB3.2 Gen 2 controller to USB3.2 Gen 2 external enclosure



USB 3.2 Gen 2 Type-C to Type-C
external USB 3.2 Gen 2 Type-C x 1 to USB 3.2 Gen 2 Type-A x 1 external cable (1 meter long)

Areca Order No.: 26TC-1C1212-1MU0

USB3.2 Gen 2 controller to USB3.2 Gen 2 external enclosure



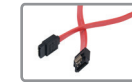
USB 3.2 Gen 2 Type-C to Type-A
external USB 3.2 Gen 2 Type-C x 1 to USB 3.2 Gen 2 Type-A x 1 external cable (1 meter long)

Areca Order No.: 26TC-1C120A-1M00

USB 3.2 Gen 2 Type-C to Type-A adapter



Internal



2600-101007-0200



2600-101007-0202



26II-1C3636-6175



26II-1C3607-6175



26II-1C4307-0175



26II-1C4336-0175



26II-1C4343-0175

ARC-1110/1120		✓			
ARC-1203-2i	✓	✓			
ARC-1203-4i/8i			✓	✓	
ARC-1214-4I/1224-8I			✓	✓	
ARC-1216-4I/1226-8I					✓
ARC-1320-4i4x/8i			✓	✓	
ARC-1330 Series					✓
ARC-1884ixl-8/12					✓
ARC-1883i/LP/ixl-8/12					✓
ARC-1883ix-12/16/24					✓
ARC-5066-12/16/24		✓	✓		
ARC-8028-24					✓
ARC-8068-12/16/24		✓	✓		
ARC-8088-12/16/24					✓



26EE-1C4426-0100



26ES-1C0707-1000



26UB-1CA3M3-1S00



26EE-1C2626-0100



26TC-1C1212-1MU0



26TC-1C1212-1M00



26EE-1C4444-0100

External

ARC-1216-4x/1226-8x					✓
ARC-1320-4i4x/8x			✓		
ARC-1330 series					✓
ARC-1883 series					✓
ARC-1883ix series					✓
ARC-1884ixl-8/12					✓
ARC-4038-8/12			✓		✓
ARC-4038ML					✓
ARC-5066-12/16/24	✓	✓			
ARC-8008-12/16/24					✓
ARC-8028-24					✓
ARC-8050T3 series				✓	
ARC-8050T3U series				✓	
ARC-8050U3-6			✓	✓	
ARC-8068-12/16/24		✓			
ARC-8088-12/16/24					✓

Model	Host Bus	Drive Int. Connector		Drive Ext. Connector	Drive Support	Default Cache	BBM Support	
ARC-1200	PCI-e X1 Lanes	SATA (1*1)	2	N/A	2(SATAII)	On Board DDRII 128MB	N/A	
ARC-1203-2I	PCI-e 2.0 X 1 Lanes	SATA III	2		2(6Gb/s SATA)	512MB on-board DDR3-1066 SDRAM	ARC-6120BAT121-12G	
ARC-1203-4I	PCI-e 2.0 X 4 Lanes	SFF-8087 (1*4)	1		4(6Gb/s SATA)			
ARC-1203-8I			2		8(6Gb/s SATA)			
ARC-1214-4I	PCI-e 2.0 X 8 Lanes	SFF-8087 (1*4)	1		4(6Gb/s SAS/SATA)	On Board DDR3-800 1GB	ARC-6120BAT121	
ARC-1224-8I			2		8(6Gb/s SAS/SATA)	On Board DDR3-800 1GB		
ARC-1264IL-12			3		12(6Gb/s SATA)			
ARC-1264IL-16			4		16(6Gb/s SATA)			
ARC-1216-4I	PCI-e 3.0 X 8 Lanes	SFF-8643 (1*4)	1		4(12Gb/s SAS/SATA)	On Board DDR3-1600 1GB		
ARC-1226-8I			2		8(12Gb/s SAS/SATA)			
ARC-1216-4x		N/A	SFF-8644 (1*4)	1	4(12Gb/s SAS/SATA)			
ARC-1226-8x				2	8(12Gb/s SAS/SATA)			
ARC-1320-4I4x	PCI-e 2.0 X 8 Lanes	SFF-8087 (1*4)	1	up to 128 (6Gb/s SAS/SATA)	N/A	N/A		
ARC-1320-8I			2					N/A
ARC-1320-8x			N/A				2	
ARC-1320ix-16			4				2	
ARC-1330-8I	PCI-e 3.0 X 8 Lanes	SFF-8643 (1*4)	2	up to 128 (12Gb/s SAS/SATA)	On Board DDR3-1866 2GB	ARC-6120BAT121-12G or ARC-1883CAP (default 2GB)		
ARC-1330-8x			N/A				2	
ARC-1330-4I4x			1				1	
ARC-1883i			2				N/A	N/A
ARC-1883x		N/A	N/A	2			One 240 DDR3-1866 2GB~8GB	ARC-1883BAT (4~8GB)
ARC-1883LP		SFF-8643 (1*4)	1	1				
ARC-1883ix-12			3	1				
ARC-1883ix-16			4	1				
ARC-1883ix-24			6	1				
ARC-1884ixl-8		2	1	On Board DDR3-1866 2GB			ARC-6120BAT121-12G	
ARC-1884ixl-12	3	1						
ARC-4320T2	Thunderbolt 2	N/A	SFF-8088(1*4)	same as ARC-1320-8x	N/A	N/A		
ARC-4607T2			SFP+	N/A				
ARC-4883T2			SFF-8644(1*4)	2			same as ARC-1883x	On Board DDR3-1866 2GB
ARC-4108T3				same as ARC-8108			N/A	
ARC-4607T3	Thunderbolt 3	N/A	SFP+	N/A	N/A			
ARC-4883T3			SFF-8644(1*4)	2		same as ARC-1883x	On Board DDR3-1866 2GB	
ARC-4038ML	2 * SFF-8644	SFF-8644(1*4)	N/A	8(12Gb/s SAS/SATA)	N/A	N/A		
ARC-4038-8			2					
ARC-4038-12			1					
ARC-8042			2				12(12Gb/s SAS/SATA)	
			1				On Board DDR3-1866 2GB	6120BAT021-7

Model	Host Bus	Drive Int. Connector		Drive Ext. Connector	Drive Support	Default Cache	BBM Support
ARC-5066CL-12	6Gb eSATA/ USB 3.0/ 4 * 1GB iSCSI	SFF-8087 (1*4)	3	N/A	6Gb/s SATA	On Board DDRIII-1200 2GB	ARC-6120BAT121-7
ARC-5066CL-16			4				
ARC-5066CL-24			6				
ARC-8050T3-SAN	9 * Thunderbolt 3	12Gb/s SAS/SATA	Thunderbolt 3	24	24 (12Gb/s SAS/SATA)	On Board DDRIII-1866 2GB	N/A
ARC-8050T3-4	2 * Thunderbolt 2			4	4(12Gb/s SAS/SATA)	On Board DDRIII-800 1GB	
ARC-8050T3U-4				6	6(12Gb/s SAS/SATA)	On Board DDRIII-1866 2GB	
ARC-8050T3-6M	8				8(12Gb/s SAS/SATA)		
ARC-8050T3-6M				12	12(12Gb/s SAS/SATA)		
ARC-8050T3-6	24				24(12Gb/s SAS/SATA)		
ARC-8050T3U-6M				6	6(12Gb/s SAS/SATA)		
ARC-8050T3-6	3				3(12Gb/s SAS/SATA)		
ARC-8050T3U-6				4	4(12Gb/s SAS/SATA)		
ARC-8050T3-8	6				6(12Gb/s SAS/SATA)		
ARC-8050T3U-8		12	12(12Gb/s SAS/SATA)				
ARC-8050T3-12	24		24(12Gb/s SAS/SATA)				
ARC-8050T3U-12		2	2(12Gb/s SAS/SATA)				
ARC-8050T3-12R	3		3(12Gb/s SAS/SATA)				
ARC-8050T3-24R		4	4(12Gb/s SAS/SATA)				
ARC-8050U3-6	1 x USB 3.1 Gen 2		SFF-8643 (1*4)	6	6(12Gb/s SAS/SATA)	N/A	N/A
ARC-8028-24	12Gb/s JBOD SAS	3		12Gb/s SAS/SATA	N/A	N/A	
ARC-8008-2S	2 * 12Gb/s SAS	Z-pack HM-ZD	4	SFF-8644(1*4)	up to 512 12Gb/s SAS/SATA (Using SAS JBOD)	One 240 DDRIII-1866 2GB~8GB	ARC-8008-BAT + ARC-8006-2 or ARC-8008-FB
ARC-8008-2I	2 * 10Gb/s iSCSI						
ARC-8008-2F	2 * 16Gb/s Fibre						
ARC-8008-4F	4 * 16Gb/s Fibre						
ARC-8008-2S	2 * 12Gb/s SAS	SFF-8643 (1*4)	3 / 4 / 6	1	On Board DDRIII-1866 2GB	ARC-6120BAT 121-8 or ARC-1883-BAT-8 or ARC-1883-CAP-8	
ARC-8008-2I	2 * 10Gb/s iSCSI						
ARC-8008-2F	2 * 16Gb/s Fibre						
ARC-8008-4F	4 * 16Gb/s Fibre						
ARC-9200-2S	2 * 12Gb/s SAS	N/A	2	2	One 204-pin DIMM socket for 2GB (default) DDR3-1600, 1RX8/2RX8, ECC module	ARC-1883-BAT-7 or ARC-1883-CAP-7	
ARC-9200-2I	2 * 10Gb/s iSCSI						
ARC-9200-2F	2 * 16Gb/s Fibre						
ARC-9200-4F	4 * 16Gb/s Fibre						

Engineer Team

Experience

All engineers have above twenty years experience in storage products. Successfully created the DC-390 Series SCSI controller & become the best reputation SCSI controller in the World PCI IDE Controllers for National Semiconductor, IDE Disk Cache Controllers for Buslogic, SCSI Disk Cache Controllers, SCSI Controllers, PCI Main board, EISA Main board and Local bus Main Board Capability Writing its own firmware, BIOS, software application, and device drives Designing IDE controller and Disk Cache Controllers Our RAID controller has been approved and used in Sony and Gateway NAS system

Technology

64-bit/66MHz 8 channels IDE controller, extreme performance RAID 6 controller and modular RAID firmware on the RAID controllers to achieve high data throughput and availability

Office

Areca Technology Corporation
8F., No.22, Lane 35, Ji-Hu Rd.,
Taipei, Taiwan, R.O.C.
TEL: 886-2-87974060
FAX: 886-2-87975970
E-mail 1: support@areca.com.tw
E-mail 2: sales@areca.com.tw
URL: <http://www.areca.com.tw>

