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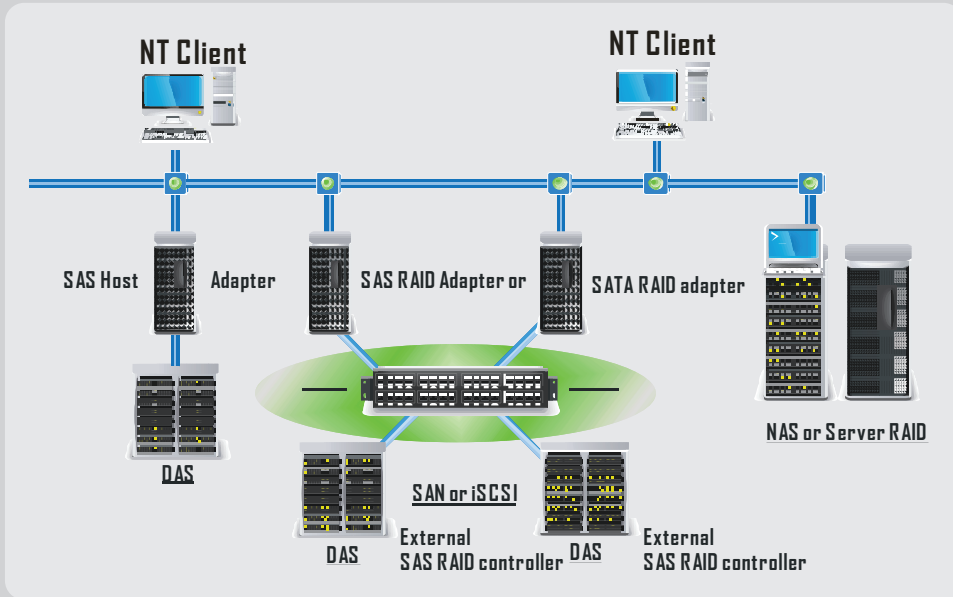
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At the heart of storage

Product Catalogue
2018

areca

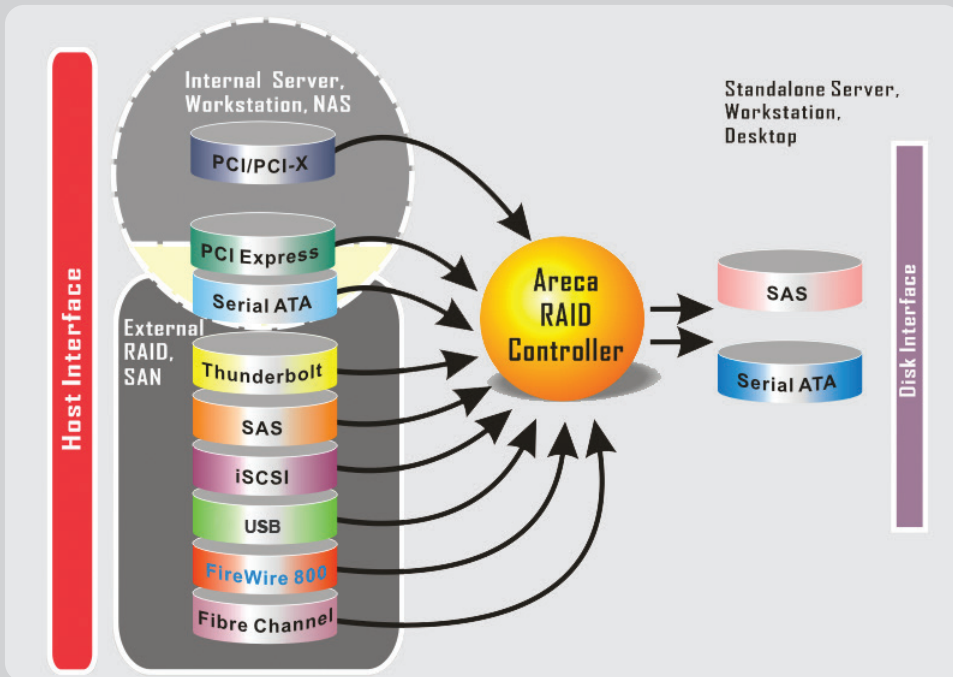
Areca Target Storage Application



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



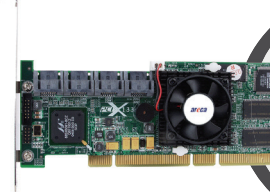
Driver Support

- * 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



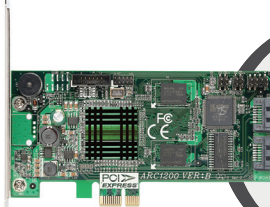
ARC-1110
 PCI-X to 3Gb/s SATA
 PCIe x 1 lanes
 2 x SATA II
 4 SATA ports
 up to 4 drives



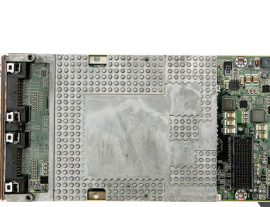
ARC-1120
 PCI-X to 3Gb/s SATA
 PCIe 3.0 x 8 lanes
 4 x SATA II
 8 SATA ports
 up to 8 drives

ARC-1200 2 ports PCIe x 1 to 3Gb/s SATA RAID Controller

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

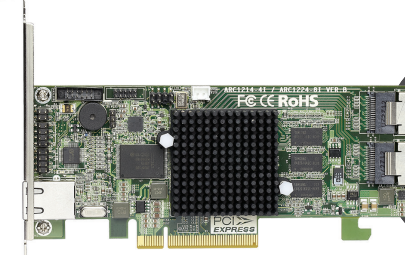


ARC-1200
 PCIe to 3Gb/s SATA
 PCIe x 1 lanes
 2 x SATA II
 2 SATA ports
 up to 2 drives



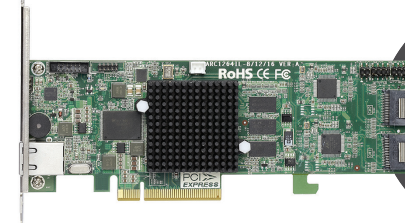
ARC-1882P
 XMC to 6Gb/s SAS
 PCIe 3.0 x 8 lanes
 2 x SFF-8470
 8 SAS ports
 up to 256 drives

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



ARC-1214-4i
 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

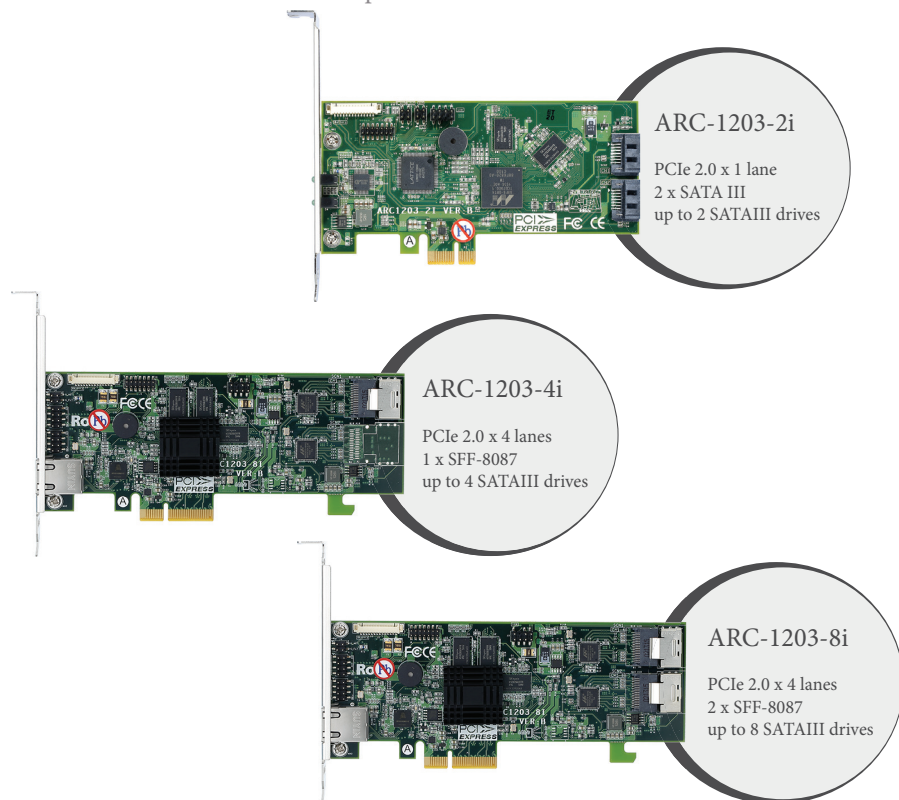


ARC-1264iL-12
 3 x SFF-8087
 12 x 6Gb/s SAS ports
 up to 12 drives

ARC-1264iL-16
 4 x SFF-8087
 16 x 6Gb/s SAS ports
 up to 16 drives

	ARC-1110	ARC-1120	ARC-1200	ARC-1882P	ARC-1214-4i	ARC-1224-8i	ARC-1264iL-12	ARC-1264iL-16
I/O Processor	Intel IOP331		ARM 400Mhz	Dual Core 800Mhz	ARM_based 933MHz storage processor			
Host Bus Type	PCI-X 64Bit 133MHz		PCIe x1 lane	PCIe 3.0 x 8 lanes	PCIe 2.0 x8 Lanes			
On-Board Cache	DDR333 256MB		DDR2-400 128MB	DDR3-1333 1GB	1GB on-board DDR3-933 SDRAM with ECC protection			
In-Band	PCI-X		PCIe	XMC	In-Band: PCIe / Out-of-Band: LCD and LAN Port			
Out-of-Band		BIOS, LCD		N/A	ARC-6120BAT121			
BBM Support	ARC-6120BAT113		N/A	ARC-6120BAT121	ARC-6120BAT121			
Disk Connectors	SATA x 2	SATA x 4	SATA x 2	SFF-8470 x 2	0, 1, 1E, 3, 5, 6, 10, Single Disk, and JBOD	0, 1, 1E, 3, 5, 6, 10, 30, 50, 60, Single Disk, and JBOD		
Drives Support	4 x SATA II	8 x SATA II	2 x SATA II	256 SAS/SATA III	1 x SFF-8087	2 x SFF-8087	3 x SFF-8087	4 x SFF-8087
Form Factor		64 (H) x 168 (L) mm		74 (H) x 149 (L) mm	Up to 4 / 8 / 12 / 16 x 6Gb/s SAS/SATA HDDs/SSD			
					64 (H) x 169 (L) mm		64 (H) x 200 (L) mm	

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



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



ARC-1203-2i

ARC-1203-4i

ARC-1203-8i

I/O Processor	ARM_based 1066Mhz storage I/O processor		
On-Board Cache	512MB on-board DDR3-1066 SDRAM with ECC protection		
In-Band	PCIe		
Out-of-Band	LCD	LCD and LAN Port	
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
BBM Support	ARC-6120BAT121-12G		

ARC-1216-4i

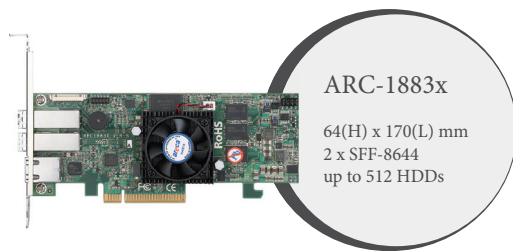
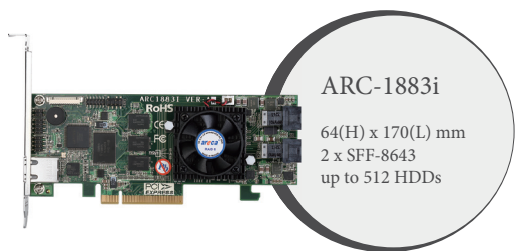
ARC-1226-8i

ARC-1216-4x

ARC-1226-8x

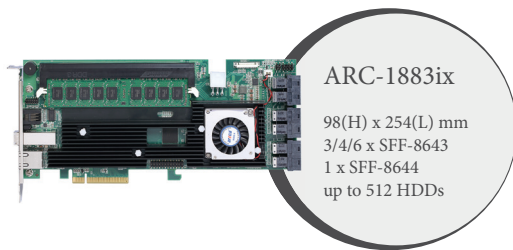
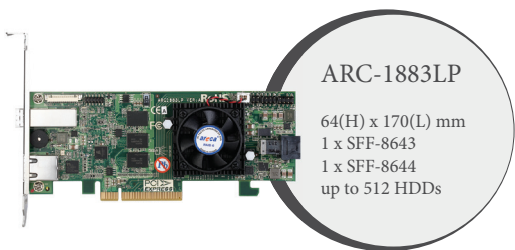
I/O Processor	Dual Core RAID-on-Chip 1.2GHz Processor			
Host Bus Type	PCIe 3.0 x 8 Lanes			
On-Board Cache	1GB on-board DDR3-1600 SDRAM with ECC protection			
Management Port	In-Band: PCIe / Out-of-Band: BIOS, LCD (Optional) and LAN Port			
BBM Support	ARC-6120BAT121-12G / ARC-1883CAP			
Drives Support	Up to 4 / 8 x 12Gb/s SAS/SATA HDDs/SSD			
Enclosure Ready	Individual Activity/Faulty Header, Serial Bus and SGPIO		External Serial Bus	
RAID Level	0, 1, 1E, 3, 5, 6, Single Disk, and JBOD		0, 1, 1E, 3, 5, 6, 10, 30, 50, 60, Single Disk, and JBOD	
Disk Connectors	1 x SFF-8643	2 x SFF-8643	1 x SFF-8644	2 x SFF-8644

ARC-1883i/1883x 8 Ports 12Gb/s SAS/SATA RAID Controllers

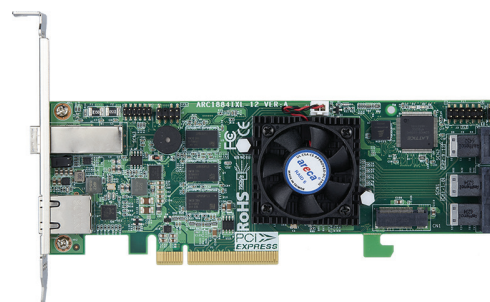
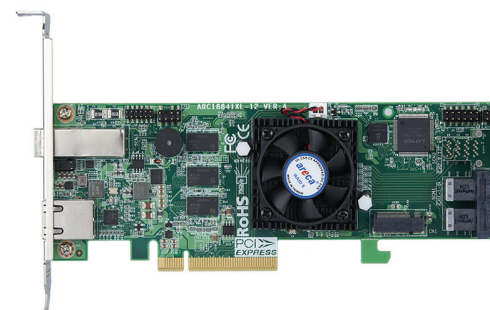


ARC-1883LP 8 Ports 12Gb/s SAS/SATA RAID Controllers

ARC-1883ix-12/16/24 16-28 Ports 12Gb/s SAS/SATA RAID Controllers

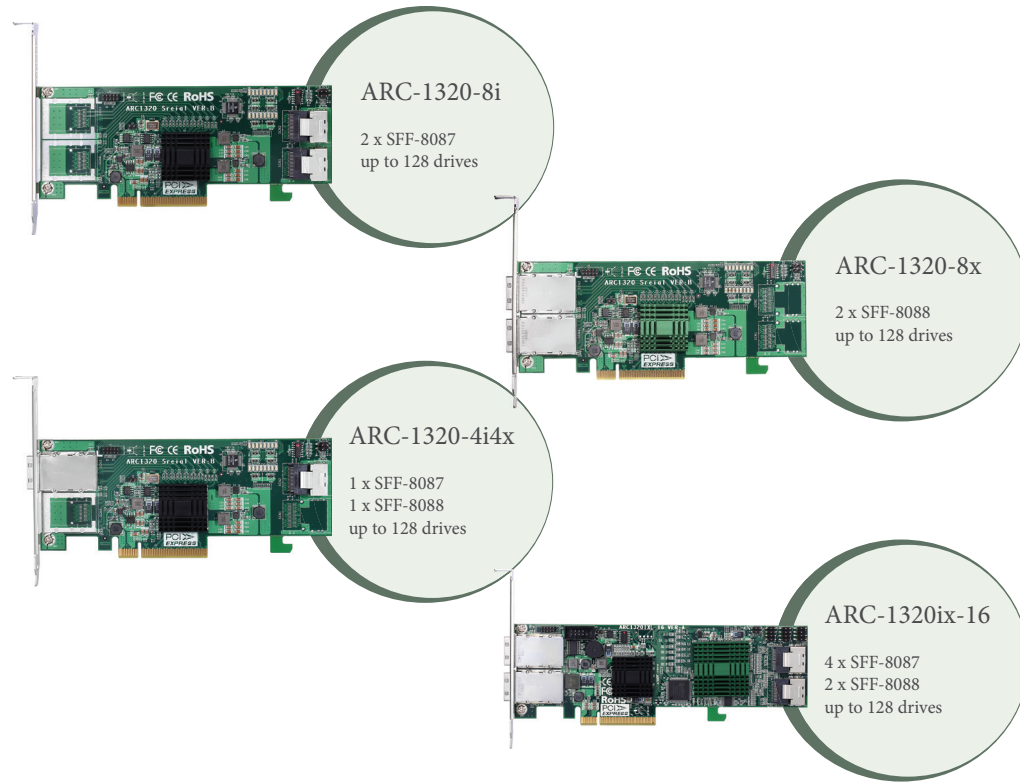


ARC-1884ixl-8/12 12/16 Ports 12Gb/s SAS RAID Controllers

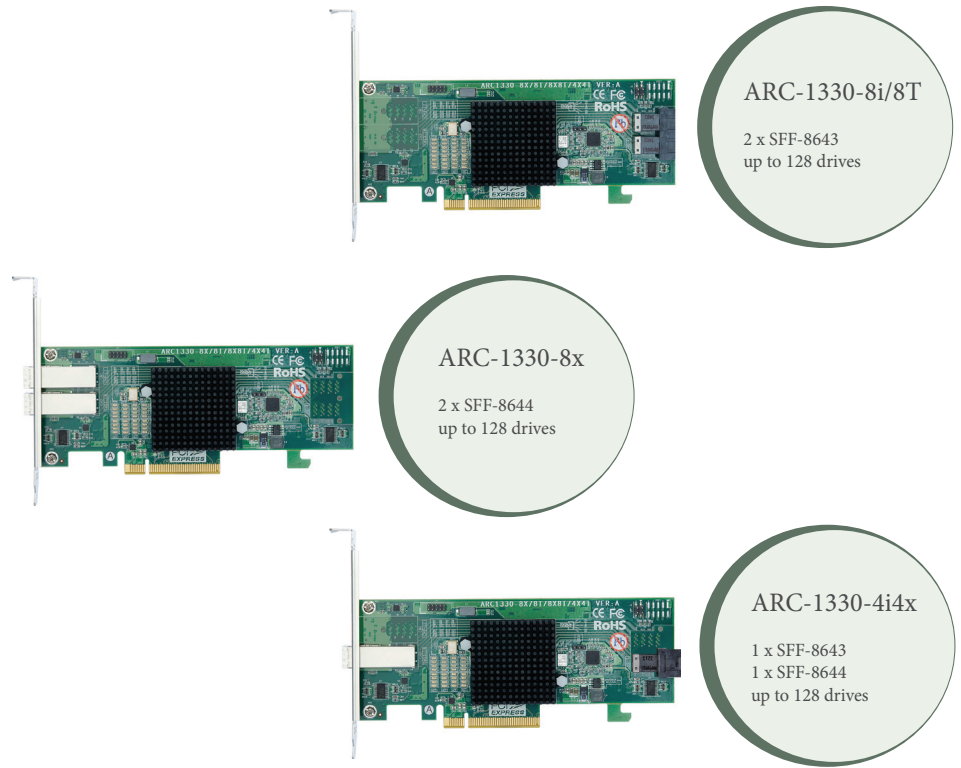


	ARC-1883i	ARC-1883x	ARC-1883LP	ARC-1883ix	ARC-1884ixl-8	ARC-1884ixl-12
I/O Processor	Dual Core RAID-on-Chip 1.2GHz Processor				Dual Core RAID-on-Chip 1.2GHz Processor	
Host Bus Type	PCIe 3.0 x 8 Lanes				PCIe 3.0 x 8 Lanes	
Management Port	In-Band: PCIe / Out-of-Band: BIOS, LCD and LAN Port				In-Band: PCIe / Out-of-Band: BIOS, LCD and LAN Port	
BBM Support	ARC-1883-CAP(support cache 2GB) / ARC-1883-BAT / ARC-6120BA-T121-12G				ARC-6120BAT121-12G	
Drives Support	Up to 512 12Gb/s SAS or 6Gb/s and 3Gb/s SAS/SATA HDDs/SSD				Up to 512 12Gb/s SAS or 6Gb/s and 3Gb/s SAS/SATA HDDs/SSDs	
Enclosure Ready	Individual Activity/Faulty Header, SGPIO, SMP, SES-2				Individual Fault Header, SGPIO, SMP and SES2	
RAID Level	0, 1, 1E, 3, 5, 6, 10, 30, 50, 60, Single Disk, JBOD				0, 1, 1E, 3, 5, 6, 10, 30, 50, 60, Single Disk, JBOD	
On-Board Cache	2GB on-board DDR3-1866 SDRAM with ECC protection				2GB on-board DDR3-1866 SDRAM with ECC protection	
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	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



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



Key Features

- Up to 6Gb/s transfer rates per SAS port
- Support 1.5, 3.0 and 6 Gb/s SAS and SATA link rates
- Support SSP, SMP, STP, and SATA protocols
- Support SGPIO interface for ARC-1320ix-16
- Legacy BIOS and EFI support
- RoHS compliant

Key Features

- Up to 12Gb/s transfer rates per SAS port
- Support 3.0 Gb/s, 6.0 Gb/s and 12 Gb/s SAS and SATA link rates
- Support SSP, SMP, STP, and SATA protocols
- Support both Thunderbolt and Transport Layer Retry (only ARC-1330-8T)
- Support SGPIO interface for internal port
- Legacy BIOS and EFI support (not available for ARC-1330-8T)
- RoHS compliant

ARC-1320-8i ARC-1320-8x ARC-1320-4i4x ARC-1320ix-16

Host Bus Type	PCIe 2.0 x8 Lanes			
Drives Support	Up to 128 x 3Gb/s and 6Gb/s SAS/SATA			
Form Factor	MD2 Low Profile: 64 (H) x 168 (L) mm			64 (H) x 214 (L) mm
Disk Connectors	2 x SFF-8087	2 x SFF-8088	1 x SFF-8087 1 x SFF-8088	4 x SFF-8087 2 x SFF-8088

ARC-1330-8i ARC-1330-8x ARC-1330-4i4x

Host Bus Type	PCIe 3.0 x8 Lanes		
Drives Support	Up to 128 x 3Gb/s and 6Gb/s SAS/SATA		
Form Factor	64 (H) x 167 (L) mm		
Disk Connectors	2 x SFF-8643	2 x SFF-8644	1 x SFF-8643 1 x SFF-8644

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



ARC-9200-SAS

ARC-9200-2FC/4FC

ARC-9200-iSCSI



Host Interface	2 x 12Gb/s SAS	2/4 x 16Gb/s Fibre channels	2 x 10Gb/s iSCSI
Single Ctrl Model No.	9200S12S-221	9200F16S-221/9200F16S-421	9200I10S-221
Dual Ctrl Model No.	9200S12R-221	9200F16R-221/9200F16R-421	9200I10R-221

I/O Processor	Dual Core RAID-on-Chip (ROC) 1.2 GHz processor
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
Management Port	In-Band: SES-3 / Out-of-Band: LCD, RS232, LAN Port
Expansion Port	Dual downstream SFF-8644 (4 x 12Gb/s) expansion ports per controller
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
Power Supply / In / Out	<ul style="list-style-type: none"> • Dual 200W hot swap and redundant with PFC, N+1 design • AC voltage: 110V@40A, 230V@80A for input inrush current with PFC (auto-switching) • Supports 90-264 VAC input at 47-63 Hz frequency

ARC-8018 series 12Gb/s SAS Expander - Backplane Solution



Specifications

- **I/O Processor:** ARM Cortex-R4
- **Drive Connector:** 3/4 x Z-pack HM-ZD high speed connector
- **External Interface:** 3 x SFF-8644 connectors
- **Monitors Indicators:**
 - LCD Control Panel for setup, alarm mute and configuration
 - System status indication through LCD, LED (link status and activity) and alarm buzzer
 - Enclosure management (protocols SES over SAS ports) ready
- **Management:** In-band: SAS port / Out-of-band: RS232 serial port
 - Command Line Interface
 - Field-upgradeable

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

ARC-9212-R2

ARC-9216-R3

ARC-9224-R2

ARC-9224-R4



Form Factor	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-DR2 / 9224FS-DR2 9224FS-QR2 / 9224IS-DR2
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-DR2 / 9224FD-DR2 9224FD-QR2 / 9224ID-DR2

I/O Processor	Dual Core RAID-on-Chip (ROC) 1.2 GHz processor
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
Management Port	In-Band: SES-3 / Out-of-Band: LCD, RS232, LAN Port
Disk Interface	Up to 512 12Gb/s SAS/SATA/SSD Devices, Using one SFF-8644 Port
Power Supply / In / Out	<ul style="list-style-type: none"> • Dual 595W hot swap, N+1 redundant with PFC • Supports 100-240VAC input at 47 and 63Hz frequency

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

ARC-9212-R2

ARC-9216-R3

ARC-9224-R2

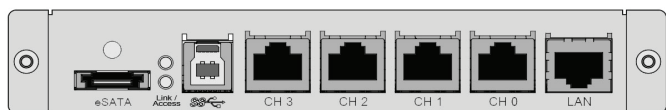
ARC-9224-R4



Form Factor	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

Disk Interface	<ul style="list-style-type: none"> • 12Gb/s SAS or 6Gb/s and 3Gb/s SAS/SATA HDDs/SSDs • Supports any mix of SATA and SAS HDD or SSDs for greater flexibility
Host Interface	<ul style="list-style-type: none"> • 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
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	<ul style="list-style-type: none"> • Dual 595W hot swap, N+1 redundant with PFC • Supports 100-240VAC input at 47 and 63Hz frequency

ARC-5066-BL eSATA/USB3.0/iSCSI to 6Gb/s SATA RAID - Backplane Solution



Specifications

- **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
- **Drive Connector:** Directly into the backplane slots
- **On-Board Cache:** 2GB DDR3-1200 SDRAM
- **Management Port:** In-Band: SES-3 / Out-of-Band: LCD and LAN Port
- **Enclosure Ready:** Serial Bus Interface
- **RAID Level:** 0, 1, 1E, 3, 5, 6, 10, 00, 100, 30, 50, 60, Single Disk, JBOD
- **BBM/FBM Support:** Yes (ARC-6120BAT121-7)

ARC-5088-BL 12Gb/s SAS to SAS RAID - Backplane Solution



Specifications

- **I/O Processor:** Dual Core PPC476 1.2 GHz processor
- **Host Bus Type:** 2 x 12Gb/s SAS ports (4-lanes per port)
- **Drive Connector:** Directly into the backplane slots
- **Drive Support:** Up to 256 Devices (Using 1 x SFF-8644)
- **On-Board Cache:** 2Gb DDR3-1866 SDRAM with ECC Protection
- **Management Port:** In-Band: SES-3 / Out-of-Band: LCD, RS232, LAN Port
- **Enclosure Ready:** SES-3
- **RAID Level:** 0, 1, 1E, 3, 5, 6, 10, 00, 100, 30, 50, 60, Single Disk, JBOD
- **BBM/FBM Support:** Yes (ARC-6120BAT121-7/ARC-1883CAP-7)

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



ARC-7108

2U-8 bays
19-inch rackmount chassis
2 x cooling fan
2 x power

ARC-7112

2U-12 bays
19-inch rackmount chassis
2 x cooling fan
2 x power

ARC-7116

3U-16 bays
19-inch rackmount chassis
2 x cooling fan
2 x power

ARC-7124

4U-24 bays
19-inch rackmount chassis
4 x cooling fan
3 x power

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



ARC-7208

2U-8 bays
19-inch rackmount chassis

ARC-7212

2U-12 bays
19-inch rackmount chassis

ARC-7216

3U-16 bays
19-inch rackmount chassis

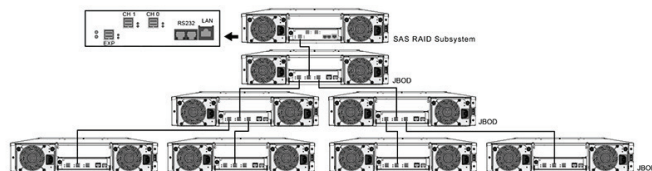
Specifications

- **Disk Interface:** 6Gb/s and 3Gb/s SATA HDDs/SSDs
- **Cooling Fan:** Dual / Quad cooling fans
- **Power Supply/In/Out:** Dual 400W / Triple 400W
 - Hot swap, N+1 redundant with PFC
 - Supports 100-240VAC input at 47 and 63Hz frequency

Specifications

- **Disk Interface:** 12Gb/s SAS or 6Gb/s and 3Gb/s SAS/SATA HDDs/SSDs
- **Cooling Fan:** Dual cooling fans
- **Power Supply/In/Out:** Dual 400W
 - Hot swap, N+1 redundant with PFC
 - Supports 100-240VAC input at 47 and 63Hz frequency

ARC-8028-24/32 12Gb/s SAS Expander - Cable Solution



Specifications

- I/O Processor:** Dual Core ROC 1200Mhz
- Drive Connector:** 6/8 x SFF-8643 connector
- Drive Interface:** Up to 24/32 12Gb/s SAS or 6Gb/s SATA Drives per expander
- External Interface:** 3/4 SFF-8644 Min SAS HD connectors
- Management:** In-band: SAS port / Out-of-band: RS232 serial port
 - Command Line Interface
 - Field-upgradeable
- Dimension:** 140(W)*20(H)*290(D)mm

ARC-5066-CL series

eSATA/USB3.0/iSCSI to 6Gb/s SATA RAID - Cable Solution



5066CL-12

3 x SFF-8087
12 x 6Gps SATA HDD

5066CL-16

4 x SFF-8087
16 x 6Gps SATA HDD

5066CL-24

6 x SFF-8087
24 x 6Gps SATA HDD

Specifications

- I/O Processor:** Quad Core ARM V7 1.2GHz
- On-Board Cache:** 2GB DDR3-1200 SDRAM
- Drive Connector:** 6 x SFF-8087 Connectors
- Host Bus Type:** 1 x 6Gb/s eSATA + 1 x USB 3.0 + 4 x 1Gbps iSCSI
- Enclosure Ready:** Individual Activity/Fault LED Header, Serial Bus Interface
- Management:** In-Band: SES-3 / Out-of-Band: LCD and LAN Port
- RAID Level:** 0, 1, 1E, 3, 5, 6, 10, 00, 100, 30, 50, 60, Single Disk, JBOD
- Form Factor:** One 5.25" Half-height Drive Bay [146(W) x 43(H) x 200(L)mm]
- BBM Support:** Yes (ARC-6120BAT121-7)

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
Model 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

Specifications

- I/O Processor:** Dual Core ROC 1200Mhz
- Drive Interface:** up to 24 x 12Gb/s SAS ports
- Drive Connector:** 6 x SFF-8643 connector
- Disk Support:** 256 x Devices (Using 1 x SFF-8644)
- On-Board Cache:** 2GB on-board DDR3-1866 SDRAM
- Management:** In-Band: SES-3 / Out-of-Band: LCD, RS232, LAN Port
- RAID Level:** 0,1,10,1E,3,5,6,30,50,60,Single Disk,JBOD
- BBM Support:** Yes (ARC-6120BAT121-8 / ARC-1883-BAT-8 / ARC-1883-CAP-8)
- Dimension:** 146(W) x 43(H) x 250(L)mm

ARC-8068-SAS SAS to 6Gb/s SAS RAID - Cable Solution



8068-12

3 x SFF-8087
1 x SFF-8088
12 x 6Gps SATA HDD

8068-16

4 x SFF-8087
1 x SFF-8088
16 x 6Gps SATA HDD

8068-24

6 x SFF-8087
1 x SFF-8088
24 x 6Gps SATA HDD

Specifications

- I/O Processor:** ROC 800Mhz
- On-Board Cache:** Default DDR2-800 2GB
- Drive Connector:** 6 x SFF-8087 Connectors
- Host Bus Type:** 2 x 6Gb/s SAS
- Enclosure Ready:** Individual Activity/Fault LED Header, Serial Bus Interface
- Management:** In-Band: SES-3 / Out-of-Band: LCD, RS232, LAN Port
- RAID Level:** 0,1,10,1E,3,5,6,Single Disk,JBOD
- Form Factor:** One 5.25" Half-height Drive Bay [146(W) x 43(H) x 200(L)mm]
- BBM Support:** Yes (ARC-6120BAT121)

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

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

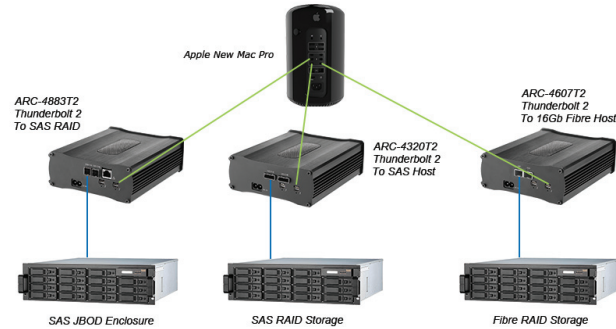


ARC-4607T2 ARC-4320T2 ARC-4883T2 ARC-4607T3 ARC-4108T3

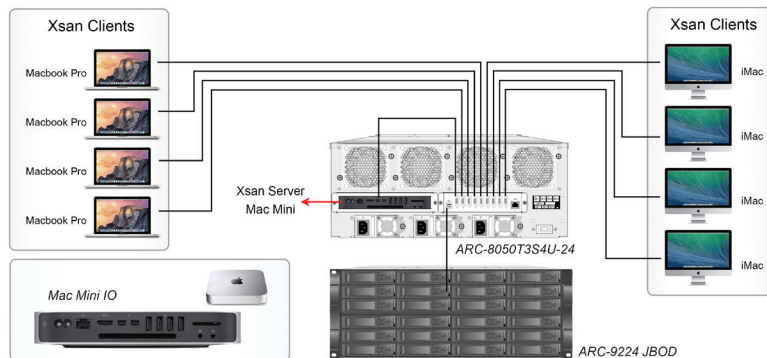
Host Bus	2 x Thunderbolt™ 2			2 x Thunderbolt™ 3	
Device Channel	2 x 16Gb/s Fibre	8 x 6Gb/s SAS	8 x 12Gb/s SAS	2 x 16Gb/s Fibre	8 x 12Gb/s SAS
Device Connector	2 x SFP	2 x SFF-8088	2 x SFF-8644	2 x SFP	2 x SFF-8644
Controller Inside	ARC-8607	ARC-1320	ARC-1883x	ARC-8607	ARC-8108

DAS Solution for Video Editing

DAS Solution for Video Editing



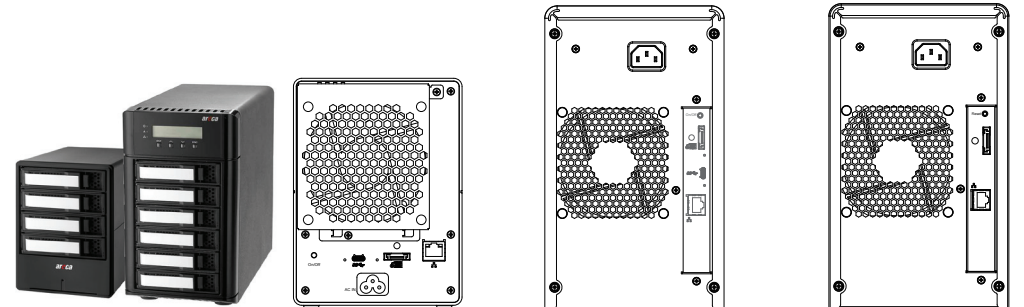
SAN Solution for Video Editing



ARC-5028T2/ARC-8050T2 Thunderbolt™ 2 RAID Storage

ARC-5026-eU31/5028-eU31/ARC-5028-eSATA

USB 3.1 & Hi-Speed eSATA Storage



ARC-5026-eU31

ARC-5028-eU31

ARC-5028-eSATA

Host Interface	1 * USB 3.1 (Up to 10.0Gbps) & 1 * eSATA (Up to 6.0Gbps)	1 * eSATA (Up to 6.0Gbps)
Disk Interface	4 x 6Gb/s SATA Drives	6 x 6Gb/s SAS Drives
I/O Processor	ARM_based 800MHz	ARM_based 933MHz storage processor



ARC-5028T2

ARC-8050T2

Host Interface	2 x Thunderbolt 2 & 1 x USB 3.1	2 x Thunderbolt™ 2
Disk Interface	6 x 6Gb/s SAS/SATA	8 x 6Gb/s SAS/SATA
I/O Processor	ARM_based 800MHz	Dual Core PPC400 800MHz



ARC-8050T3 series Thunderbolt™ 3 RAID Storage



ARC-8050T3-4 -6M -6 -8 -12

BBM Support	N/A		ARC-6120BAT021-T3	
Form Factor	Desktop 4 bays	Desktop 6 bays	Desktop 8 bays	Desktop 12 bays
I/O Processor	One-Core 800MHz 6G SAS ROC		Dual Core 1.2GHz SAS ROC	
On Board Cache	1GB DDR3-800		2GB DDR3-1866	
Expansion Support	N/A	SFF-8644 (2-lanes)	N/A	SFF-8644 (4-lanes)

ARC-8050T3 Rackmount Thunderbolt™ 3 Rackmount



ARC-8050T3-12R ARC-8050T3-24R ARC-8050T3-SAN

BBM Support	ARC-6120BAT021-T3	
I/O Processor	Dual Core 1.2GHz SAS ROC	
Expansion Support	One SFF-8644 expansion up to 512 HDDs	
Form Factor	2U-12 bays 19-inch	4U-24 bays 19-inch
On Board Cache	2GB DDR3-1866	4GB DDR3-1866

Specifications

- Host Bus:** Thunderbolt™ 3 x 2 / Display Port
- Management Port:** Thunderbolt, LCD and LAN Port
- Disk Interface:**
 - ARC-8050T3-4: 4 x 6Gb/s 3.5"/2.5" SAS/SATA HDDs/SSDs
 - ARC-8050T3-6M: 6 x 12Gb/s 2.5" SAS/SATA HDDs/SSDs
 - ARC-8050T3-6/8/12/12R/24R/SAN: 6/8/12/24 x 12Gb/s 3.5"/2.5" SAS/SATA HDDs/SSDs
- RAID Level:**
 - ARC-8050T3-4: 0,1,10,1E,3,5,6,Single Disk,JBOD
 - ARC-8050T3-6M/6/8/12/12R/24R/SAN: 0,1,10,1E,3,5,6,30,50,60,Single Disk,JBOD

ARC-4038-8/-12/4038-ML JBOD Enclosure

ARC-8042-12 Desktop RAID Subsystem



ARC-4038-ML ARC-4038-8 ARC-4038-12 ARC-8042-12

Host Interface	2 x SFF-8644	2 x SFF-8644 + SFF-8088	2 x SFF-8644
Expansion	N/A	2 x SFF-8644	1 x SFF-8644
Disk Interface	8 x 12Gb/s SAS/SATA		12 x 12Gb/s SAS/SATA
Form Factor	Compact - 8 * Disk Tower		Compact - 12 * Disk Tower
Power Supply	270 W		400 W
Dimension	5.7 x 11.8 x 11.4 in (146 x 302 x 290 mm)		8.1 x 12.2 x 11.4 in (206 x 310 x 290 mm)
Weight	14.9 lbs / 6.8Kg		20.8 lbs / 9.5Kg
Cooling Fan	2 * 2700rpm/0.4A		

ARC-8050T3 series

(4/6/8/12/24-bays Thunderbolt 3 RAID Storage)



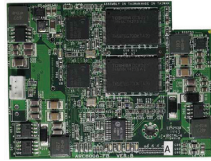
ARC-8008-BAT Areca Order No.: 40B1-800800-0300



External SAS RAID Controller Battery Pack
for ARC-8008/8088 series

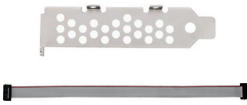
ARC-8006-2

ARC-8008-FB



ARC-8008-BAT for ARC-8006 series
ARC-8008-BAT for ARC-8007/8008 series
ARC-8006-2 Areca Order No.: 91-800602-0300
ARC-8008-BAT for ARC-8008 series
ARC-8008-FB Areca Order No.: 91-8008BA-T00A

ARC-6120BAT113 Areca Order No.: 91-6120BA-T112-1880



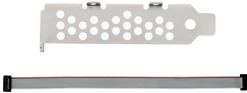
SATA/SAS RAID Controller Card
for ARC-11xx (ML) , ARC-12xx (ML)
ARC-12xx (4i4x8i8x) , and
ARC-1680/1880 (IXLP\IX-xx)
Cable: 2600-1C1212-II00

ARC-6120BAT021 Areca Order No.: 91-6120BA-T021



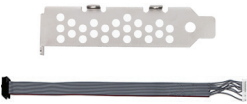
SATA/SAS RAID Storage
for ARC-8040 and ARC-8050T2
Cable: 2600-1C1212-II00

ARC-6120BAT121 Areca Order No.: 91-6120BA-T121



SAS RAID Controller Card
for ARC-1882 (IXLP\IX-xx) , and
ARC-12x4 (4i8i12i16iML-24)
Cable: 2600-1C1212-II00

ARC-6120BAT121-12G Areca Order No.: 91-6120BA-T121-12G



SAS RAID Controller Card
for ARC-1203 , ARC-12x6
ARC-1884ixl-8/12 , ARC-1882P,
and ARC-1883 (IXLP\ixl)
Cable: 2600-1C1412-HI00

ARC-6120BAT121-7

Areca Order No.: 91-6120BA-T121-7



RAID Subsystem
for ARC-5066-BL / ARC-5066CL
ARC-5088 / ARC-71xx / ARC-72xx
ARC-8050T3-12R
Cable: 2600-1C1412-HI00

ARC-6120BAT121-724

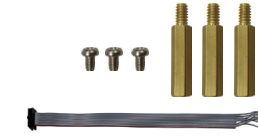
Areca Order No.: 91-6120BA-T121-724



RAID Subsystem
for ARC-5066-24 /
ARC-8050T3-SAN /
ARC-8050T3-24R
Cable: 2600-1C1412-HI00

ARC-6120BAT121-8

Areca Order No.: 91-6120BA-T121-8



SAS RAID - Cable Solution
for ARC-8088 series
Cable: 2600-1C1412-HI00

ARC-6120BAT121-T3

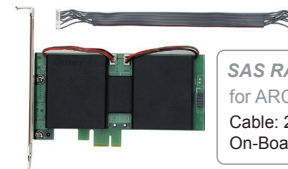
Areca Order No.: 91-6120BA-T121-T3



Thunderbolt 3 Products
for Thunderbolt 3 products
Cable: 2600-1C1412-HI00

ARC-1883-BAT

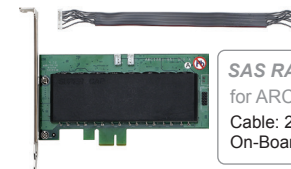
Areca Order No.: 91-1883BA-T00A



SAS RAID Controller Card
for ARC-1883ix-12/16/24 &
Cable: 2600-1C1414-HH00
On-Board Cache: up to 4-8GB

ARC-1883-CAP

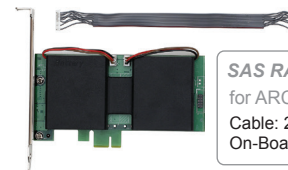
Areca Order No.: 91-1883CA-P00A



SAS RAID Controller Card
for ARC-1883 series
Cable: 2600-1C1414-HH00
On-Board Cache: default (2GB)

ARC-1883-BAT-8

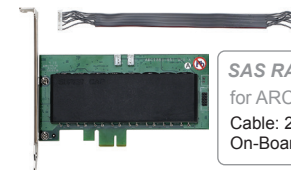
Areca Order No.: 91-1883BA-T00A-8



SAS RAID - Cable Solution
for ARC-8088 series
Cable: 2600-1C1414-HH00
On-Board Cache: default (2GB)

ARC-1883-CAP-8

Areca Order No.: 91-1883CA-P00A-8



SAS RAID - Cable Solution
for ARC-8088 series
Cable: 2600-1C1414-HH00
On-Board Cache: default (2GB)

ARC-1883-CAP-7

Areca Order No.: 91-1883CA-P00A-7



SAS RAID - Cable Solution
for ARC-5088 / ARC-72xx
Cable: 2600-1C1414-HH00
On-Board Cache: default (2GB)

LCD

ARC-1009 Areca Order No.: 91-1019CB-B10A



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

Tray

Tray-5020 Areca Order No.: 3300-1C4020-0001



Tray (white)
for ARC-4036ML / 4038 / 4038ML / 5020 /
ARC-5026 / 5040 / 8040 / 8050 / 8050E

Tray-5033 Areca Order No.: 3300-1C6020-A200



Tray (black)
for ARC-5033

Tray-8050T2 Areca Order No.: 3300-1C4020-0001



Tray (black)
for ARC-5028T2 / 8050T2

Others eSATA Re-Driver Board

ARC-5020-3 Areca Order No.: 91-502003-0010



Cables & Connectors

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



SFF-8643 to SFF-8643
internal
SAS HD x 4 (SFF-8643)
to SAS HD x 4 (SFF-8643)
internal controller-based
fan-out cable

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

SFF-8643 to SFF-8087
internal
SAS HD x 4 (SFF-8643)
to SAS x 4 (SFF-8087)
internal controller-based
fan-out cable

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

SFF-8643 to SATA(4)
internal
SAS HD x 4 (SFF-8643)
to SATA (4) x 1
internal controller-based
fan-out cable

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

Mini SAS HD controller to SAS HD external enclosure



SFF-8644 to SFF-8644
external Mini
SAS HD x 4 (SFF-8644)
to SAS HD x 4 (SFF-8644)
external cable

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

SFF-8644 to SFF-8088
external Mini
SAS HD x 4 (SFF-8644)
to SAS x 4 (SFF-8088)
external cable

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

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



SFF-8087 to SFF-8087
internal
SAS x 4 (SFF-8087)
to SAS x 4 (SFF-8087)
controller-based
fan-out cable

Areca Order No.: 26II-1C3636-6175

SFF-8087 to SATA(4)
internal
SAS x 4 (SFF-8087)
to SATA (4) x 1 internal
controller-based
fan-out cable

Areca Order No.: 26II-1C3607-6175

SFF-8087 to SFF-8482
internal
SAS x 4 (SFF-8087) to
SAS (4) x 1 (SFF-8482)
internal controller-based
fan-out cable

Areca Order No.: 26IS-1C3629-7500

Mini SAS controller to SAS external enclosure



SFF-8088 to SFF-8088
external Mini
SAS x 4 (SFF-8088)
to SAS x 4 (SFF-8088)
external cable

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

SATA controller to SATA backplane and SATA disk drives



SATA to SATA
internal SATA (4) x 1 to
SATA (4) x 1 internal cable
(1 set *4)

Areca Order No.: 2600-101007-0200

SATA to SATA
internal SATA (4) x 1 to
SATA (4) x 1 internal
right-angle cable
(1 set *4)

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 3.0 controller to USB 3.0 external enclosure



USB 3.0 Micro-B to Standard-A
external USB 3.0 Micro-B
to external USB 3.0 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

USB3.1 controller to USB3.1 external enclosure



USB 3.1 Type-C to Type-A
external USB 3.1 Type-C x 1
to USB 3.1 Type-A x 1
external cable (1 meter long)

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

Internal



2600-101007-0200



2600-101007-0401



26II-1C3636-6175



26II-1C3607-6175



26II-1C4307-0175



26II-1C4336-0175



26IS-1C3629-7500



26II-1C4343-0175

ARC-1110/1120		✓			
ARC-1200	✓	✓			
ARC-1203 series			✓	✓	
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-8028-24/32					✓
ARC-8068-12/16/24		✓			✓
ARC-8088-12/16/24					✓

External



26ES-1C0707-1000



26UB-1CA3M3-1S00



26EE-1C2626-0100



26TC-1C120A-1M00



26TB-1C1010-1M00



26EE-1C4426-0100

ARC-1216-4x/1226-8x			✓		
ARC-1320-4i4x/8x					✓
ARC-1330 series					✓
ARC-1883x/LP/ixl-8/12					✓
ARC-1883ix-12/16					✓
ARC-1883ix-24					✓
ARC-1884ixl-8/12					✓
ARC-4038-8/12		✓			✓
ARC-4038ML					✓
ARC-5028T2		✓		✓	
ARC-5028-eSATA	✓				
ARC-5028-eU31	✓			✓	
ARC-8050T3-4/6				✓	
ARC-5066-12/16/24	✓	✓			
ARC-8008-12/16/24					✓
ARC-8028-12/16/24/32					✓
ARC-8050T2				✓	
ARC-8050T3-6/6M/8/12			✓		
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		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)		
ARC-1215-4I	PCI-e 3.0 X 8 Lanes		1		4(6Gb/s SAS/SATA)	On Board DDR3-1333 1GB	
ARC-1225-8I			2		8(6Gb/s SAS/SATA)		
ARC-1264IL-12	PCI-e 2.0 X 8 Lanes	3	12(6Gb/s SATA)		On Board DDR3-800 1GB		
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	SFF-8088(1*4)	up to 128 (6Gb/s SAS/SATA)	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	N/A	up to 128 (12Gb/s SAS/SATA)	N/A	
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	up to 256 12Gb/s SAS/SATA (Using SAS JBOD)	On Board DDR3-1866 2GB	ARC-6120BAT121-12G or ARC-1883CAP (default 2GB)
ARC-1883LP		1	1				
ARC-1883ix-12		3	1				
ARC-1883ix-16		4	1				
ARC-1883ix-24		6	1				
ARC-1884ixl-8		2	1				
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			
ARC-4108T3	Thunderbolt 3		SFF-8644(1*4)	2	same as ARC-8108		
ARC-4607T3		SFP	N/A				

Model	Host Bus	Drive Int. Connector	Drive Ext. Connector	Drive Support	Default Cache	BBM Support				
ARC-4038ML	2 * SFF-8644	SFF-8644(1*4)	2	N/A	N/A	N/A				
ARC-4038-8			2	SFF-8644(1*4)			2	8(12Gb/s SAS/SATA)		
ARC-4038-12			1	SFF-8088(1*4)			1			
			2	SFF-8644(1*4)			2	12(12Gb/s SAS/SATA)		
ARC-5033	1 * SATA	SATA (1*1)	5	5(SATAII)	On Board DDRII 128MB					
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-5066CL-16			4							
ARC-5066CL-24			6							
ARC-8050T3-SAN	9 * Thunderbolt 2	12Gb/s SAS/SATA	24	Thunderbolt 3	9	24 (12Gb/s SAS/SATA)	On Board DDRIII-1866 2GB	ARC-6120BAT021		
ARC-5028-eU31	1 * USB 3.1	6Gb/s SAS/SATA	6	USB 3.1	1	6(6Gb/s SAS/SATA)	On Board DDRIII-800 1GB	ARC-6120BAT021		
ARC-5028-eSATA	6Gb eSATA			eSATA	1					
ARC-5028T2	1 * USB 3.0	6Gb/s SAS/SATA	6	USB 3.0	1					
ARC-8050T2	2 * Thunderbolt 2			Thunderbolt 2	2				8(6Gb/s SAS/SATA)	On Board DDRIII-1333 1GB
ARC-8050T3-4	2 * Thunderbolt 3	12Gb/s SAS/SATA	8	Thunderbolt 3	2	4(12Gb/s SAS/SATA)	On Board DDRIII-800 1GB	N/A		
ARC-8050T3-6									6	6(12Gb/s SAS/SATA)
ARC-8050T3-6M									6	6(12Gb/s SAS/SATA)
ARC-8050T3-8									8	8(12Gb/s SAS/SATA)
ARC-8050T3-12/-12R									12	12 (12Gb/s SAS/SATA)
ARC-8050T3-24R									24	24 (12Gb/s SAS/SATA)
ARC-8028-12	12Gb/s JBOD SAS	SFF-8643 (1*4)	3	SFF-8644(1*4)	3	12Gb/s SAS/SATA	N/A	N/A		
ARC-8028-16									4	
ARC-8028-24									6	
ARC-8028-32									8	
ARC-8068-12	2 * 6Gb/s SAS	SFF-8087 (1*4)	4	SFF-8088(1*4)	2	up to 256 6Gb/s SAS/SATA (Using SAS JBOD)	On Board DDRII-800 2GB	ARC-6120BAT121		
ARC-8068-16									4	
ARC-8068-24									6	
ARC-8008-2S	2 * 12Gb/s SAS	Z-pack HM-ZD	4	SFF-8644(1*4)	1	up to 256 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-8088-2S	2 * 12Gb/s SAS	SFF-8643 (1*4)	3 / 4 / 6				On Board DDRIII-1866 2GB	ARC-6120BAT 121-8 or ARC-1883-BAT-8 or ARC-1883-CAP-8		
ARC-8088-2I	2 * 10Gb/s iSCSI									
ARC-8088-2F	2 * 16Gb/s Fibre									
ARC-8088-4F	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

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