



2013

Thunderbolt
Connector

SAS
12Gb/s

SAS
6Gb/s

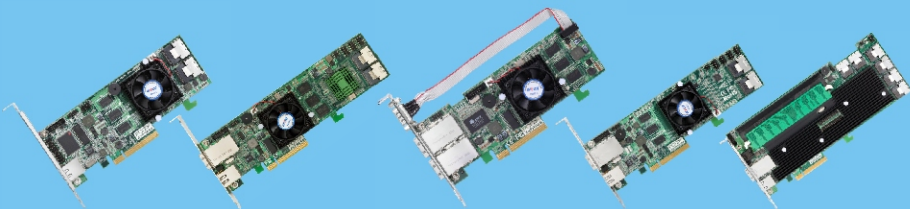
SERIAL
SATA
6Gb/s

SAS
3Gb/s

SERIAL
SATA
3Gb/s

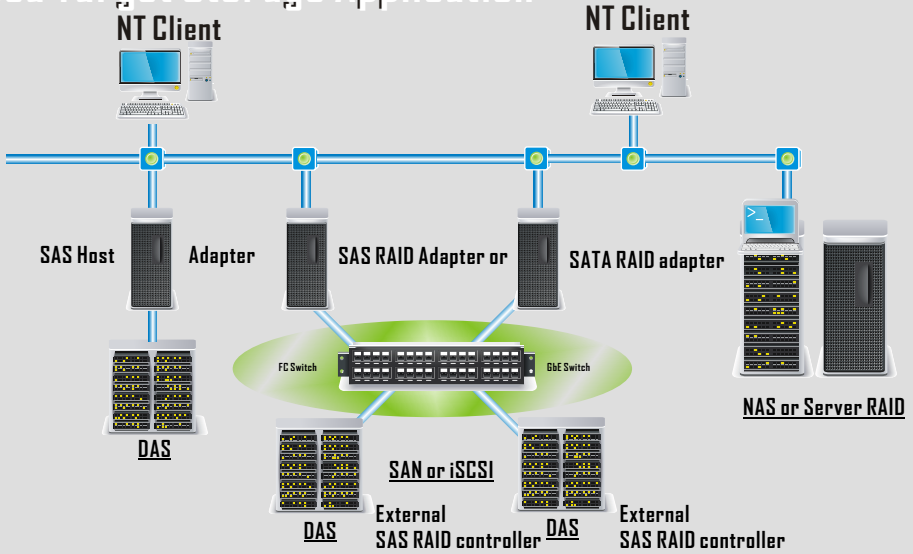
Internal
Connector

External
Connector

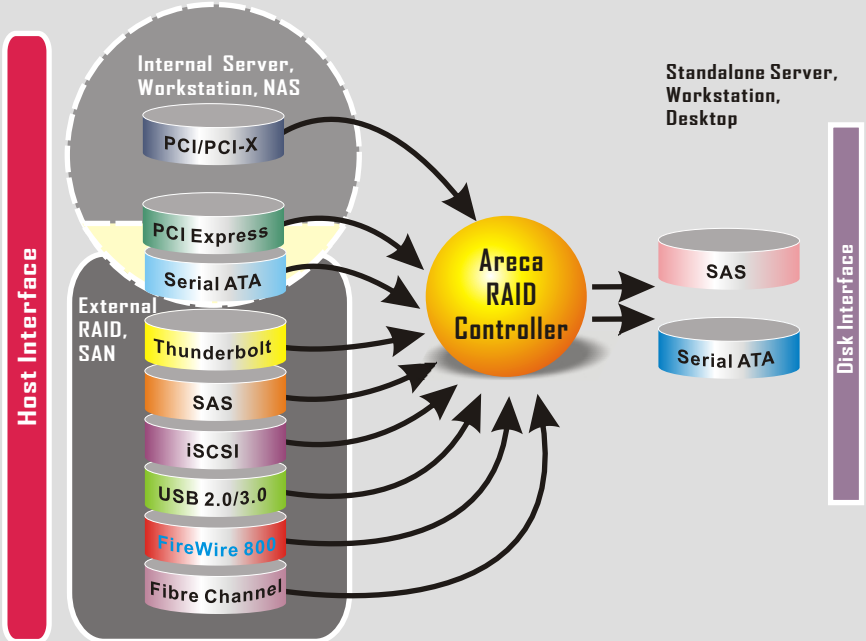


ARECA Products Solution

Areca Target Storage Application



Areca RAID Controllers Provide I/O Interface Flexibility



Features for SAS RAID Controller

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
- ❖ Greater than 2TB capacity per disk drive support
- ❖ Greater than 2TB per volume set (64-bit LBA support)
- ❖ Support intelligent power management to save energy and extend service life
- ❖ Support NTP protocol synchronize RAID controller clock over the on

Intel IOP Driver Into Kernel

- ❖ BSD/FreeBSD: FreeBSD 5.5/6.2
- ❖ BSD/OpenBSD: OpenBSD 4.1
- ❖ BSD/NetBSD: NetBSD 4.1/5.0
- ❖ Linux Kernel: 2.6.19-RC1(2006/10/5)
- ❖ Linux/Debian: Debian 2.6.18-2
- ❖ Linux/Gentoo: Gentoo 2007.0(2.6.19)
- ❖ Linux/Ubuntu: Ubuntu 6.10 9(2.6.19)
- ❖ Linux/Redhat/Fedora: Fedora Core 8.0
- ❖ Linux/RedHat/RHEL: RHEL 5.1 (2.6.18-53.el5, Backport)
- ❖ Linux/RedHat/RHEL: RHEL 4.6 (2.6.9-67.EL, Backport)
- ❖ Linux/CentOS: CentOS 5.1/CentOS 4.6
- ❖ NAS/FreeNAS: FreeNAS 0.68
- ❖ NAS/OpenFiler: OpenFiler 2.2 (2.6.17, Backport)
- ❖ NAS/Open-e-NAS: Open-e-NAS
- ❖ MAC OS X: MAC OS X10.5.x Leopard and 10.6.x Snow Leopard
- ❖ Wasabi Systems Storage Builder: IP-SAN 3.0(NetBSD Kernel)
- ❖ Unix/Solaris: Available from OpenSolaris build 83k

ARECA Products Matrix

PCI RAID Product Overview-By Drive bays

PCI-X SATA and xMC/PMC SAS
RAID Adapter Product
I/O Processor: IOP331/348

4 Ports - ARC-1110
8 Ports - ARC-1120
8 Ports - ARC-1680P

A2

PCIe 2.0 6Gb/s SAS RAID - Low Profile
I/O Processor: ARM Storage I/O Processor

4 Ports - ARC-1213-4i
8 Ports - ARC-1223-8i
4 Ports - ARC-1213-4x
8 Ports - ARC-1223-8x
8+4 Ports - ARC-1880ixl-8
12+4 Ports - ARC-1880ixl-12

A4

PCIe 3.0 12Gb/s SAS RAID Controller
I/O Processor: ARM Storage I/O Processor

8 Ports - ARC-1883i
8 Ports - ARC-1883x
4+4 Ports - ARC-1883LP
12+4 Ports - ARC-1883ix-12
16+4 Ports - ARC-1883ix-16
24+4 Ports - ARC-1883ix-24

A6

Entry Level RAID Product

I/O Processor: ARM 400MHz

2 Ports - ARC-1200
8 Ports - ARC-1201
2 Ports - ARC-1202

A1

PCIe 2.0 6Gb/s SATA RAID Controller

I/O Processor: ARM Storage I/O Processor

4 Ports - ARC-1214-4i
8 Ports - ARC-1224-8i
4 Ports - ARC-1214-4x
8 Ports - ARC-1224-8x
12 Ports - ARC-1264il-12
16 Ports - ARC-1264il-16
24 Ports - ARC-1284MI-24

A3

PCIe 2.0/3.0 6Gb/s SAS RAID - Full Height

I/O Processor: ARM Storage I/O Processor

8 Ports - ARC-1882i
8 Ports - ARC-1882x
4+4 Ports - ARC-1882LP
12+4 Ports - ARC-1882ix-12
16+4 Ports - ARC-1882ix-16
24+4 Ports - ARC-1882ix-24

A5

Entry Level RAID (PCIe x 1)

Standard Controller

The Areca ARC-1200 series SATA RAID host adapter is a PCI-Express x1 bus to SATA Disk Array host adapter. It provides two SATA II ports on a single controller. It is used the same RAID kernel of its field-proven external RAID controller. When properly configured, the SATA RAID adapter can provide a high degree of performance and fault tolerance with data mirroring for maximum protection. The ARC-1200 series is the industry's most compelling PCIe x1 to SATA II RAID solution which economically delivers full-featured true hardware RAID to desktop and workstations as well as entry-level servers.

ARC-1200



ARC-1201



General Feature

I/O Processor: ARM 400Mhz

Form Factor: Low Profile

Host Bus: PCIe x1 lanes

On-Board Cache: DDR2-400 128MB

Management Port:

In-Band: PCIe

Out-of-Band: Bois, LCD LAN Port (For ARC-1201)

Driver Support:

- Windows 8/Server 2012/7/2008/Vista/2003/XP/2000 : SCSI Port/Star Port (i386, x86-64)
- Red Hat Linux, SuSE Linux, and Fedora Core (i386, x86-64)
- Linux 2.4 and 2.6 Open Source (i386, x86-64)
- BSD/FreeBSD, OpenBSD and NetBSD (i386, x86-64)
- FreeBSD Open Source (i386, x86-64)
- Mac OS X 10.4.x / 10.5.x / 10.6.x / 10.7.x and 10.8.x. (EFI BIOS support)
- Solaris 10 811 (i386, x86-64), and Novell 6.5Yes

PCI-X SATA XMC/PMC SAS RAID - Low Profile/Mezzanine Board

ARC-1110



ARC-1120



General Feature

I/O Processor: Intel IOP331

Form Factor: Low Profile

Host Bus: PCI-X 64Bit/133MHz

On-Board Cache: DDR333 256 MB

RAID Level: 0,1,1E,3,5,6,Single Disk,JBOD

Management Port: In-Band:PCI-X,

Out-of-Band: Bios, LCD

Enclosure Ready: Individual Activity/Fault LED Header, Serial Bus Interface

BBM Support: Yes

Driver Support:

- Windows 8/Server 2012/7/2008/Vista/2003/XP : SCSI Port/Star Port (i386, x86-64)
- Red Hat Linux, SuSE Linux, and Fedora Core (i386, x86-64)
- Linux 2.6/3.2 Open Source (i386, x86-64)
- BSD/FreeBSD, OpenBSD and NetBSD (i386, x86-64)
- FreeBSD Open Source (i386, x86-64)
- Mac OS X 10.4.x, 10.5.x, 10.6.x, 10.7.x and 10.8.x.

Mezzanine Board

ARC-1680P



Up to 128 SAS/SATAII



General Feature

I/O Processor: intel IOP348 I200MHz

Form Factor: Ruggedized XMC/PMC Module

Host Bus: PCIe x8 lanes XMC or PCI-x/PCI PMC (5V PCI not supported)

On-Board Cache: On-Board:DDR2-533 512MB

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

Management Port: XMC or PMC Bus

Enclosure Ready:

8 sets individual fault connector, and alarm buzzer

A set of on-board 8 LEDs for each activity and fault.

2 global activity/fault LED

Serial bus output for activity/fault LED

SES-2 vis Inband SAS SMP Protocol

BBM Support: Yes

Driver Support:

- Windows 8/Server 2012/7/2008/Vista/2003/XP : SCSI Port/Star Port (i386, x86-64)
- Red Hat Linux, SuSE Linux, and Fedora Core (i386, x86-64)
- Linux 2.6/3.2 Open Source (i386, x86-64)
- BSD/FreeBSD, OpenBSD and NetBSD (i386, x86-64)
- FreeBSD Open Source (i386, x86-64)
- Mac OS X 10.4.x, 10.5.x, 10.6.x, 10.7.x and 10.8.x.
- Solaris 10 811 (i386, x86-64)

PCIe 2.0 6Gb/s SATA RAID Controller

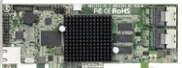
ARC-1214-4i



- SFF-8087 x 1
- 6Gb/s SATA x 4



ARC-1224-8i



- SFF-8087 x 2
- 6Gb/s SATA x 8



ARC-1214-4x



- SFF-8088 x 1
- 6Gb/s SATA x 4



ARC-1224-8x



- SFF-8088 x 2
- 6Gb/s SATA x 8



General Feature

I/O Processor: ARM-based storage I/O processor

Form Factor: Low Profile: 64.4 x 169.5 mm

Host Bus: PCIe 2.0 x 8 lanes

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

RAID Level:

- ARC-1214-4i: 0, 1, 1E, 3, 5, 6, 10, Single Disk, and JBOD

- ARC-1214-8i: 0, 1, 1E, 3, 5, 6, 10, 30, 50, 60, Single Disk, JBOD

Management Port: In-Band: PCIe,

Out-of-Band: LCD, LAN Port

Enclosure Ready: Individual Faulty Header, SGPIO, and Serial bus

BBM Support: Yes

Driver Support:

- Windows 8/Server2012/7/2008/Vista/2003/XP : SCSI Port/Star Port (i386, x86-64)

- Red Hat Linux, SuSE Linux, and Fedora Core (i386, x86-64)

- Linux 2.6/3.x Open Source (i386, x86-64)

- BSD/FreeBSD, OpenBSD and NetBSD (i386, x86-64)

- FreeBSD Open Source (i386, x86-64)

- Mac OS X 10.4.x, 10.5.x, 10.6.x, 10.7.x and 10.8.x

- Solaris 10 811 (i386, x86-64)

ARC-1264i1-12



- SFF-8087 x 3
- Up to 12 x 6Gb/s SATA



ARC-1264i1-16



- SFF-8087 x 4
- Up to 16 x 6Gb/s SATA



ARC-1284MI-24



- SFF-8087 x 6
- Up to 24 x 6Gb/s SATA



General Feature

I/O Processor: ARM storage I/O processor

Form Factor:

- ARC-1264-12/16: Low Profile: 64.4 x 202 mm

- ARC-1284-24: Full Height: 98.4 x 207 mm

Host Bus: PCIe 2.0 x 8 lanes

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

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

Management Port: In-Band: PCIe,

Out-of-Band: LCD, LAN Port

Enclosure Ready: Individual Faulty Header, SGPIO, and Serial bus

BBM Support: Yes

Driver Support:

- Windows 8/Server2012/7/2008/Vista/2003/XP : SCSI Port/Star Port (i386, x86-64)

- Red Hat Linux, SuSE Linux, and Fedora Core (i386, x86-64)

- Linux 2.6/3.x Open Source (i386, x86-64)

- BSD/FreeBSD, OpenBSD and NetBSD (i386, x86-64)

- FreeBSD Open Source (i386, x86-64)

- Mac OS X 10.4.x, 10.5.x, 10.6.x, 10.7.x and 10.8.x

- Solaris 10 811 (i386, x86-64)

PCIe 2.0 6Gb/s SAS RAID - Low Profile

ARC-1213-4i



- SFF-8087 x 1
- 6Gb/s SAS/SATA x 4



ARC-1223-8i



- SFF-8087 x 2
- 6Gb/s SAS/SATA x 8



ARC-1213-4x



- SFF-8088 x 1
- SAS/SATAII x 4



ARC-1223-8x



- SFF-8088 x 2
- SAS/SATAII x 8



General Feature

I/O Processor: RAID-on-Chip 800Mhz

Form Factor: Low Profile

Host Bus: PCIe 2.0 x 8 lanes

On-Board Cache: DDR2-800 512MB

RAID Level: 0,1,1E,3,5,6,10,30,50,60,Single Disk,J800

Management Port: In-Band:PCIe,

Out-of-Band: LCD,LAN Port

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

BBM Support: Yes

Driver Support:

- Windows 8/Server 2012/7/2008/Vista/2003/XP : SCSI Port/Stor Port (i386, x86-64)

- Red Hat Linux, SuSE Linux, and Fedora Core (i386, x86-64)

- Linux 2.6/3.x Open Source (i386, x86-64)

- BSD/FreeBSD, OpenBSD and NetBSD (i386, x86-64)

- FreeBSD Open Source (i386, x86-64)

- Mac OS X 10.4.x, 10.5.x,10.6.x, 10.7.x and 10.8.x.

- Solaris 10 811 (i386, x86-64)

General Feature

I/O Processor: RAID-on-Chip 800Mhz

Form Factor: Low Profile

Host Bus: PCIe 2.0 x 8 lanes

On-Board Cache: DDR2-800 512MB

RAID Level: 0,1,1E,3,5,6,10,30,50,60,Single Disk,J800

Management Port: In-Band:PCIe,

Out-of-Band: Bios,LCD, LAN Port

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

(For external port)

BBM Support: Yes

Driver Support:

- Windows 8/Server 2012/7/2008/Vista/2003/XP : SCSI Port/Stor Port (i386, x86-64)

- Red Hat Linux, SuSE Linux, and Fedora Core (i386, x86-64)

- Linux 2.6/3.x Open Source (i386, x86-64)

- BSD/FreeBSD, OpenBSD and NetBSD (i386, x86-64)

- FreeBSD Open Source (i386, x86-64)

- Mac OS X 10.4.x, 10.5.x,10.6.x, 10.7.x and 10.8.x.

- Solaris 10 811 (i386, x86-64)

ARC-1880ixl-8



- SFF-8087 x 2
- SFF-8088 x 1
- Up to 128 GBb/s SAS/SATA



ARC-1880ixl-12



- SFF-8087 x 3
- SFF-8088 x 1
- Up to 128 GBb/s SAS/SATA



PCIe 2.0/3.0 6Gb/s SAS RAID Controller

ARC-1882i



- SFF-8087 x 2
- Up to 128
6Gb/s SAS/SATA



ARC-1882x



- SFF-8088 x 2
- Up to 128
6Gb/s SAS/SATA



ARC-1882LP



- SFF-8087 x 1
- SFF-8088 x 1
- Up to 128
6Gb/s SAS/SATA



General Feature

- I/O Processor:** Dual Core RAID-on-Chip 800Mhz
- Form Factor:** Low Profile
- Host Bus:** PCIe 2.0/3.0 x8 lanes (PCB Ver3.0 Support PCIe 3.0 x8 lanes)
- On-Board Cache:** DDR3-1333 1Gb
- RAID Level:** 0,1,1E,3,5,6,10,30,50,60,Single Disk,JBOD
- Management Port:** **In-Band:**PCIe,
Out-of-Band: LCD, LAN Port
- Enclosure Ready:** Individual Activity/Fault Header, SGPIO, SES-2
(For external port)
- BBM Support:** Yes

Driver Support:

- Windows 8/Server 2012/7/2008/Vista/2003/XP: SCSI Port/Stor Port (i386, x86-64)
- Red Hat Linux, SuSE Linux, and Fedora Core (i386, x86-64)
- Linux 2.6/3.x Open Source (i386, x86-64)
- BSD/FreeBSD, OpenBSD and NetBSD (i386, x86-64)
- FreeBSD Open Source (i386, x86-64)
- Mac OS X 10.4.x, 10.5.x, 10.6.x, 10.7.x and 10.8.x.
- Solaris 10 811 (i386, x86-64)

PCIe 3.0 12Gb/s SAS RAID-Full Height

ARC-1882ix-12



- SFF-8087 x 3
- SFF-8088 x 1
- Up to 128
6Gb/s SAS/SATA



ARC-1882ix-16



- SFF-8087 x 4
- SFF-8088 x 1
- Up to 128
6Gb/s SAS/SATA



ARC-1882ix-24



- SFF-8087 x 6
- SFF-8088 x 1
- Up to 128
6Gb/s SAS/SATA



General Feature

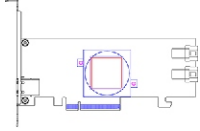
- I/O Processor:** Dual Core RAID-on-Chip 800Mhz
- Form Factor:** Full Height
- Host Bus:** PCIe 2.0/3.0 x8 lanes (PCB Ver3.0 Support PCIe 3.0 x8 lanes)
- On-Board Cache:** One DDR3-1333 DIMM Socket with Default 1GB, ECC SDRAM can upgrade to 4GB (Single Rank, 1R*8 or 1R*16)
- RAID Level:** 0,1,1E,3,5,6,10,30,50,60,Single Disk,JBOD
- Management Port:** **In-Band:**PCIe,
Out-of-Band: LCD, LAN Port
- Enclosure Ready:** Individual Activity/Fault Header, SGPIO, SES-2
(For external port)
- BBM Support:** Yes

Driver Support:

- Windows 8/Server 2012/7/2008/Vista/2003/XP: SCSI Port/Stor Port (i386, x86-64)
- Red Hat Linux, SuSE Linux, and Fedora Core (i386, x86-64)
- Linux 2.6/3.x Open Source (i386, x86-64)
- BSD/FreeBSD, OpenBSD and NetBSD (i386, x86-64)
- FreeBSD Open Source (i386, x86-64)
- Mac OS X 10.4.x, 10.5.x, 10.6.x, 10.7.x and 10.8.x.
- Solaris 10 811 (i386, x86-64)

PCIe 3.0 12Gb/s SAS RAID Controller

ARC-1883i



- SFF-8643 x 2
- Up to 256 12Gb/s SAS/SATA



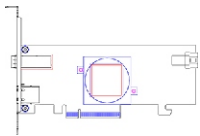
ARC-1883x



- SFF-8644 x 2
- Up to 256 12Gb/s SAS/SATA



ARC-1883LP



- SFF-8643 x 1
- SFF-8644 x 1
- Up to 256 12Gb/s SAS/SATA

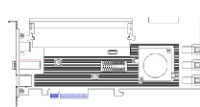


General Feature

- I/O Processor:** Dual Core RAID-on-Chip 1200Mhz
- Form Factor:** Low Profile
- Host Bus:** PCIe 3.0 x8 lanes
- On-Board Cache:** DDR3-1866 2GB
- RAID Level:** 0,1,1E,3,5,6,10,30,50,60,Single Disk,JBOD
- Management Port:** In-Band:PCIe,
Out-of-Band: LCD, LAN Port
- Enclosure Ready:** Individual Activity/Fault Header, SGPIO, SES-2 (For external port)
- BBM Support:** Yes
- Available:** Q4/2013
- Driver Support:**
 - Windows 8/Server 2012/7/2008/Vista/2003/XP : SCSI Port/Stor Port (i386, x86-64)
 - Red Hat Linux, SuSE Linux, and Fedora Core (i386, x86-64)
 - Linux 2.6/3.x Open Source (i386, x86-64)
 - BSD/FreeBSD, OpenBSD and NetBSD (i386, x86-64)
 - FreeBSD Open Source (i386, x86-64)
 - Mac OS X 10.4.x, 10.5.x, 10.6.x, 10.7.x and 10.8.x.
 - Solaris 10 811 (i386, x86-64)

PCIe 3.0 12Gb/s SAS RAID-Full Height

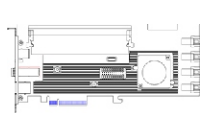
ARC-1883ix-12



- SFF-8643 x 3
- SFF-8644 x 1
- Up to 256 12Gb/s SAS/SATA



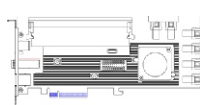
ARC-1883ix-16



- SFF-8643 x 4
- SFF-8644 x 1
- Up to 256 12Gb/s SAS/SATA



ARC-1883ix-24



- SFF-8643 x 6
- SFF-8644 x 1
- Up to 256 12Gb/s SAS/SATA



General Feature

- I/O Processor:** Dual Core RAID-on-Chip 1200Mhz
- Form Factor:** Full Height
- Host Bus:** PCIe 3.0 x8 lanes
- On-Board Cache:** One DDR3-1866 DIMM Socket with Default 2GB, ECC SDRAM can upgrade to 8GB (Single Rank, IR*8 or IR*16)
- RAID Level:** 0,1,1E,3,5,6,10,30,50,60,Single Disk,JBOD
- Management Port:** In-Band:PCIe,
Out-of-Band: LCD, LAN Port
- Enclosure Ready:** Individual Activity/Fault Header, SGPIO, SES-2 (For external port)
- BBM Support:** Yes
- Available:** Q1/2014
- Driver Support:**
 - Windows 8/Server 2012/7/2008/Vista/2003/XP : SCSI Port/Stor Port (i386, x86-64)
 - Red Hat Linux, SuSE Linux, and Fedora Core (i386, x86-64)
 - Linux 2.6/3.x Open Source (i386, x86-64)
 - BSD/FreeBSD, OpenBSD and NetBSD (i386, x86-64)
 - FreeBSD Open Source (i386, x86-64)
 - Mac OS X 10.4.x, 10.5.x, 10.6.x, 10.7.x and 10.8.x.
 - Solaris 10 811 (i386, x86-64)

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ARECA Products Matrix

SAS 2.0 Host Adapter Product

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

B1

Cable Solution SAS to 6Gb/s SAS RAID

12+4 Ports -ARC-8068-12
16+4 Ports -ARC-8068-16
24+4 Ports -ARC-8068-24

B2

Thunderbolt 4/8-bays RAID Storage

4 Ports -ARC-5026
8 Ports -ARC-8050

B3

Backplane Solution SAS/Fibre/iSCSI to 6Gb/s SAS RAID

12/16/24+4 Ports
ARC-8007-SAS
ARC-8007-8GF/16GF
ARC-8007-1GE
ARC-8007-10GE
JBOD - ARC-8026-12/16/24

B4

Backplane Solution SAS/Fibre/iSCSI/FCoE to 12Gb/s SAS RAID

12/16/24+4 Ports
ARC-8008-SAS
ARC-8008-16GF/FCoE
ARC-8008-1GE
ARC-8008-10GE
JBOD - ARC-8028-12/16/24

B5

External Compact JBOD BOX Product

4 Bays - ARC-4020ML
8 Bays - ARC-4036ML
8 Bays - ARC-4036

B6

Internal/External 4/5/8 SATA / 8 6Gb/s SAS RAID Subsystem Product

4 Bays - ARC-5020(Ext.)
4 Bays - ARC-5026(Ext.)
8 Bays - ARC-5040(Ext.)
8 Bays - ARC-8040(Ext.)
8 Bays - ARC-8050(Ext.)

B7

PCIe 2.0 6Gb/s SAS Non-RAID Host Adapter

ARC-1320-4i4x



SFF-8087 x 1
SFF-8088 x 1
Up to 128
6Gb/s SAS/SATA



ARC-1320-8i



SFF-8087 x 2
Up to 128
6Gb/s SAS/SATA



ARC-1320-8x



SFF-8088 x 2
Up to 128
6Gb/s SAS/SATA



ARC-1320ix-16



SFF-8087 x 4
SFF-8088 x 2
Up to 128
6Gb/s SAS/SATA



General Feature

Host Bus: PCIe 2.0 x8 lanes

Form Factor: Low Profile

Driver Support:

- Windows 8/Server 2012/7/2008/Vista/2003/XP
: SCSI Port/Star Port (i386, x86-64)
- Red Hat Linux and SuSE Linux (i386, x86-64)
- BSD/FreeBSD (i386, x86-64)
- Mac OS X 10.4.x, 10.5.x, 10.6.x, 10.7.x and 10.8.x
- Solaris 10 811 (i386, x86-64)
- illumos (i386, x86-64)

Cable Solution SAS to 6Gb/s SAS RAID

ARC-8068-SAS



General Feature

I/O Processor: ROC 800Mhz

Host Bus: 6Gbps SAS x 4 lanes x 2

Host Connector: SFF-8088 x 2

Host Driver: O/S Independent

Form Factor: One 5.25" Half-height Drive Bay 146(W) x 43(H) x 289(L)mm

Drive Connector: 3 x Internal SFF-8087+ 1 x External SFF-8088(ARC-8068-12) /
4 x Internal SFF-8087+ 1 x External SFF-8088(ARC-8068-16) /
6 x Internal SFF-8087+ 1 x External SFF-8088(ARC-8068-24)

Drive Support: 128 x Devices (Using SAS JBOD)

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

On-Board Cache: Default DDR2-800 2GB

Management Port: In-Band: SES-2

Out-of-Band: LCD, RS232, LAN Port

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

BBM Support: Yes

External SAS RAID Controller JBODs Connection

General Feature

External Interface

One 4x wide-port SAS connectors for host connection

Two 4x wide-port SAS connectors for expander module (JBOD) daisy chain

Drive Interface

Up to 12/16/24 6Gb/s SAS or SATA drives per expander module

Up to 6Gb/s per port

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-2 over SAS ports) ready

Management

In-band SAS port

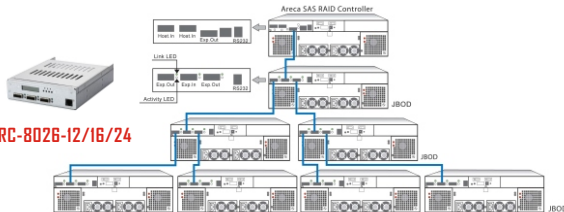
Out-of-band RS232 serial port

- Command Line Interface)

- Field-upgradeable firmware in flash ROM

Mechanical

Dimension 145(W)x 41(H) x 200(D) mm



ARC-8026-12/16/24

Thunderbolt 4/8-bays RAID Storage

ARC-5026



General Feature

I/O Processor: ARM_based storage I/O processor 800Mhz

Host Bus: Thunderbolt/USB 3.0

On-Board: DDR3-800 1GB

Disk Interface: 4 x 6Gb/s SATA

RAID Level: 0,1,1E,3,5,6,10,Single Disk,J80D

Management Port:

In-Band: Thunderbolt port

Out-of-Band: LCD, LAN Port

Driver Support:

- Windows 7/8

- Mac OS X 10.6.x, 10.7.x, 10.8.x

ARC-8050



General Feature

I/O Processor: Dual Core RAID-on-Chip 800Mhz

Host Bus: Thunderbolt

On-Board: DDR3-1333 1GB

Disk Interface: 8 x 6Gb/s SAS/SATA

RAID Level: 0,1,1E,3,5,6,10,30,50,60,Single Disk,J80D

Management Port:

In-Band: Thunderbolt port

Out-of-Band: LCD, LAN Port

BBM Support: Yes

Driver Support:

- Windows 7/8

- Mac OS X 10.6.x, 10.7.x, 10.8.x

ARC-8050/5026 6Gb/s RAID Storage
Connecting Thunderbolt



THUNDERBOLT



areca® All the Heart of Storage

Backplane Solution SAS/Fibre/iSCSI to 6Gb/s SAS RAID

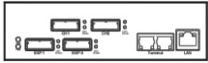


General Feature

I/O Processor: Dual core RAID-on-chip 800Mhz
Dimension: 140(W) x 20(H) x 290(L)mm
Drive Connector: 3 x Z-pack HM-ZD high speed connector
Drive Support: 256 x Devices (Using SAS JBOD)
RAID LEVEL: 0,1,1E,3,5,6,10,30,50,60,Single Disk,JBOD
On-Board Cache: Default DDR3-1333 1GB, can upgrade to 4GB(Single Rank, 1R*8 or 1R*16)
Management Port: In-Band: SES-2
Out-of-Band: LCD, RS232, LAN Port
Enclosure Ready: SES-2
BBM Support: Yes

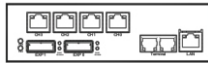
ARC-8007-SAS

Host Bus: 6Gbps SAS x 4 lanes x 2
Host Connector: SFF-8088 x 2
Host Driver: O/S Independent
Redundant: Yes



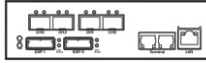
ARC-8007-1GE

Host Bus: 1Gbps iSCSI x 4
Host Connector: RJ45 x 4
Host Driver: O/S Independent
Redundant: Yes



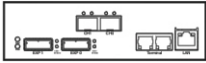
ARC-8007-8GF/16GF

Host Bus: 8Gbps Fibre x 4 / 16Gbps Fibre x 2
Host Connector: SFP x 4 / SFP x 2
Host Driver: O/S Independent
Redundant: Yes



ARC-8007-10GE

Host Bus: 10Gbps iSCSI x 2
Host Connector: SFP x 2
Host Driver: O/S Independent
Redundant: Yes



External SAS RAID Controller JBODs Connection

General Feature

External Interface

One 4x wide-port SAS connectors for host connection
 Two 4x wide-port SAS connectors for expander module (JBOD) daisy chain

Drive Interface

Up to 12/16/24 6Gb/s SAS or SATA drives per expander module
 Up to 6Gb/s per port

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-2 over SAS ports) ready

Management

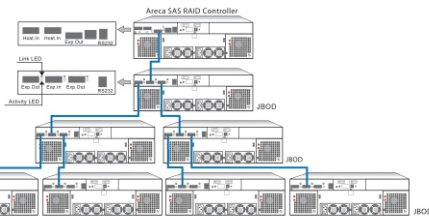
In-band SAS port
 Out-of-band RS232 serial port
 - Command Line Interface)
 - Field-upgradeable firmware in flash ROM

Mechanical

Dimension 145(W)x 41(H) x 200(D) mm



ARC-8026-12/16/24



Backplane Solution

SAS/Fibre/iSCSI/FCoE to 12Gb/s SAS RAID



General Feature

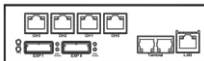
I/O Processor: Dual core RAID-on-chip 1200Mhz
Dimension: 140(W) x 20(H) x 290(L)mm
Drive Connector: 3 x Z-pack HM-Z0 high speed connector
Drive Support: 256 x Devices (Using SAS JBOD)
RAID LEVEL: 0,1,1E,3,5,6,10,30,50,60,Single Disk,JBOD
On-Board Cache: Default DDR3-1866 1GB, can upgrade to 8GB(Single Rank, 1R*8 or 1R*16)
Management Port: In-Band: SES-2
 Out-of-Band: LCD, RS232, LAN Port
Enclosure Ready: SES-2
BBM Support: Yes
Available: Q1/2014

ARC-8008-SAS



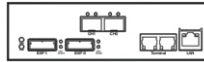
Host Bus: 2 x 12Gbps SAS x 4 lanes
Host Connector: 2 x SFF-8644
Host Driver: O/S Independent
Redundant: Yes

ARC-8008-IGE



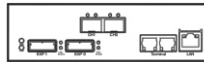
Host Bus: 4 x 16Gbps iSCSI
Host Connector: 4 x RJ45
Host Driver: O/S Independent
Redundant: Yes

ARC-8008-16GF/FCoE



Host Bus: 2 x 16Gbps Fibre/2 x 10Gbps FCoE
Host Connector: 2 x SFP
Host Driver: O/S Independent
Redundant: Yes

ARC-8008-10GE



Host Bus: 2 x 10Gbps iSCSI
Host Connector: 2 x SFP
Host Driver: O/S Independent
Redundant: Yes

External SAS RAID Controller JBODs Connection

General Feature

External Interface

External Min SAS HD 4x connectors for host connection
 External Min SAS HD 4x connectors for expander module (JBOD) daisy chain

Drive Interface

Up to 12/16/24 12Gb/s SAS or SATA drives per expander module
 Up to 12Gb/s per port

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-2 over SAS ports) ready

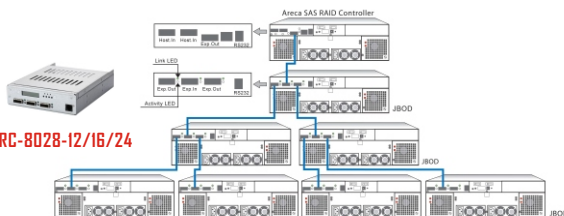
Management

In-band SAS port
 Out-of-band RS232 serial port
 - Command Line Interface)
 - Field-upgradeable firmware in flash ROM

Mechanical

Dimension 145(W)x 4(H) x 200(D) mm

ARC-8028-12/16/24



Areca 4/8-bay Compact JBOD BOX Solution



ARC-4020ML



ARC-4036ML



ARC-4036

Host Interface External SFF-8088 External SFF-8470	1	2	2
Host Cable	1 x SFF-8088 to SFF-8470 or 1 x SFF-8470 to SFF-8470	SFF-8088 to SFF-8088 SFF-8088 to SFF-8470	SFF-8088 to SFF-8088 SFF-8088 to SFF-8470
RAID Controller Inside Combine with ARC-1882x ARC-1213-4x/1223-8x	ARC-1213-4x / ARC-1223-8x	ARC-1882x ARC-1213-4X / ARC1223-8x	ARC-1882x
Drive Interface	4 x 3Gb/s/SAS/SATA	8 x 6Gb/s/SAS/SATA	8 x 6Gb/s/SAS/SATA
Expansion	N/A	N/A	2 x SFF-8088
Form Factor	Compact - 4 * Disk Tower	Compact - 8 * Disk Tower	
Power Supply/In/Out	180W / 90-256V AC / +12V/14A, +5V/16A, +3.3V/14A	270W / 90-256V AC / +12V/26A, +5V/18A, +3.3V/16A	
Cooling Fan	1 * 2700rpm/0.4A	2 * 2700rpm/0.4A	
Dimension(WxHxD)	123 x 165.6 x 232 mm	146 x 302 x 290 mm	
Weight	9.0 lbs/ 4.1Kg	14.9 lbs/6.8Kg	

Box/Card Combination

RAID Card \ Box	ARC-4020ML	ARC-4036ML	ARC-4036
ARC-1882x	N/A	x1	x1
ARC-1213-4x	x1	x1	N/A
ARC-1223-8x	x2	x1	N/A

Areca 4/8-bay Compact RAID Box Solution



ARC-5020



ARC-5026



ARC-5040



ARC-8040



ARC-8050

Host Interface	eSATA(3Gbps) & USB2.0 6Gb/s SAS Thunderbolt Thunderbolt/USB3.0 Firewire 800 /USB 3.0 iSCSI/AoE	eSATA(3Gbps) & USB2.0	eSATA(3Gbps) & USB2.0	6Gb/s SAS	Thunderbolt
RAID Support	iSCSI/AoE	Thunderbolt/USB3.0	Firewire 800 /USB 3.0 iSCSI/AoE		
	0, 1,10, 1E, 3, 5 Single Disk or JBOD	0, 1,10, 1E, 3, 5,6 Single Disk or JBOD	0, 1,10, 1E, 3, 5,6 Single Disk or JBOD	0, 1, 1E, 3, 5, 6 10,30,50,60 Single Disk or JBOD	0, 1, 1E, 3, 5, 6 10,30,50,60 Single Disk or JBOD
Drive Interface	4 x 3Gb/s SATA	4 x 6Gb/s SATA	8 x 3Gb/s SATA	8 x 6Gb/s SAS/SATA up to 128 devices using 6Gb/s SAS expander	8 x 6Gb/s SAS/SATA
BBM Support				ARC-6120BATO21	ARC-6120BATO21
Enclosure Management	LAN port, RS-232 port and LCD	LAN port and LCD	LAN port, RS-232 port and LCD		LAN port, and LCD
Cooling Fan		1 * 2700rpm/0.4A		2 * 2700rpm/0.4A	
Form Factor		Compact - 4 * Disk Tower		Compact - 8 * Disk Tower	
Power Supply/In/Out	180W / 90-256V AC / +12V/14A, +5V/16A, +3.3V/14A	135W/100-240V AC/ +19V/7.1A		270W / 90-256V AC / +12V/26A, +5V/18A, +3.3V/16A	
Dimension(WxHxD)	123 x165.6 x 232 mm	123 x 165.6 x 232 mm		146 x 302 x 290 mm	
Weight	9.0 lbs/ 4.1Kg	9.0 lbs/ 4.1Kg		14.9 lbs/6.8Kg	

ARECA Accessories Matrix

Batteries

ARC-6080BAT
ARC-6120BAT113
ARC-6120BAT121
ARC-6120BAT021

C1

LCD/Others

ARC-1009
ARC-5020-3

C1

Drive Support Matrix

C5

Cables & Connectors

C2

Internal/External Cable Matrix

C4

Accessories

Batteries

ARC-8006-2

External SAS RAID Controller Battery Pack
for ARC-8007/8008-SAS, ARC-8007/8008-8GF/16GF,
ARC-8007/8008-1GE/10GE and ARC-8007/8008-PCIe



Areca Order #
91-800602-030C

ARC-6120BAT13

SATA / SAS RAID Controller Card
for ARC-11xx(ML) \ ARC-12xx(ML)
ARC-12xx(4i\4x\8i\8x)
ARC-1680(1 \ X \ LP \ IX-xx)
and ARC-1880(1 \ X \ LP \ IX-xx)



Areca Order #
91-6120BA-T112-1880

ARC-6120BAT121

SAS RAID Controller Card
for ARC-1882(1 \ X \ LP \ IX-xx) &
ARC-12x4(4i\8i\i1-12\i1-16\MI-24)



Areca Order #
91-6120BA-T121

ARC-6120BAT021

SATA/SAS RAID Storage
for ARC-8040
and ARC-8050



Areca Order #
91-6120BA-T021

LCD

ARC-1009

LCD for ARC-11xx(ML)
ARC-12xx(4i\4x\8i\8x)
ARC-1680IX-xx
ARC-12x4(i1-12\i1-16\MI-24)
and ARC-188x(1 \ X \ LP \ IX-xx)



Areca Order #
91-1019CB-810A

Tray

ARC-5020 tray

Tray for ARC-5020/5040/5026
ARC-8040/8050/8050E
ARC-4020/4036/4036MI



Areca Order #
3300-1C4020-0001

ARC-5033 tray

Tray for ARC-5033



Areca Order #
3300-1C6020-A200

Others

ARC-5020-3

eSATA Re-Driver Board



Areca Order #
91-502003-0010

Accessories

Cables & Connectors

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



internal SAS HD x4 (SFF-8643)
to SAS HD x4 (SFF-8643) internal
controller-based fan-out cable

Areca Order #
2611-IC4343-0175



internal SAS HD x4 (SFF-8643)
to SAS x4 (SFF-8087) internal
controller-based fan-out cable

Areca Order #
2611-IC4336-0175



internal SAS HD x4 (SFF-8643)
to SATA (4) x1 internal
controller-based fan-out cable

Areca Order #
2611-IC4307-0175



internal SAS HD x4 (SFF-8643)
to SAS HD x4 (SFF-8643) right-angle
internal controller-based fan-out cable

Areca Order #
2611-IC4343-0975



internal SAS HD x4 (SFF-8643)
to SAS x4 (SFF-8087) right-angle
internal controller-based fan-out cable

Areca Order #
2611-IC4336-0975



internal SAS HD x4 (SFF-8643)
to SATA (4) x1 right-angle internal
controller-based fan-out cable

Areca Order #
2611-IC4307-0975

Mini SAS HD controller to SAS HD external enclosure



external Mini SAS HD x4 (SFF-8644)
to SAS HD x4 (SFF-8644)
external cable

Areca Order #
26EE-IC4444-0100



external Mini SAS HD x4 (SFF-8644)
to SAS x4 (SFF-8088)
external cable

Areca Order #
26EE-IC4426-0100

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



internal SAS x4 (SFF-8087)
to SAS x4 (SFF-8087)
controller-based fan-out cable

Areca Order #
2611-IC3636-6175



internal SAS x4 (SFF-8087)
to SATA (4) x1 internal
controller-based fan-out cable

Areca Order #
2611-IC3607-6175



internal SAS x4 (SFF-8087)
to SATA (4) x1 (SFF-8482)
internal controller-based fan-out cable

Areca Order #
261S-IC3629-7500



internal SAS x4 (SFF-8087)
to SAS x4 (SFF-8087) right-angle
internal controller-based fan-out cable

Areca Order #
2611-IC3636-6975



internal SAS x4 (SFF-8087)
to SATA (4) x1 right-angle
internal controller-based fan-out cable

Areca Order #
2611-IC3607-6975



internal SAS x1 (SFF-8482)
to SATA x1 internal
controller-based fan-out cable

Areca Order #
26SS-IC2907-3700

Mini SAS controller to SAS external enclosure



external Mini SAS x4 (SFF-8088)
to SAS x4 (SFF-8088)
external cable

Areca Order #
26EE-IC2626-0100



external Mini SAS x4 (SFF-8470)
to SAS x4 (SFF-8470)
external cable

Areca Order #
26EE-IC4X4X-1501



external Mini SAS x4 (SFF-8470)
to SAS x4 (SFF-8088)
external cable

Areca Order #
26EE-IC4X26-1501

SATA controller to SATA backplane and SATA disk drives



internal SATA (4) x1
to SATA (4) x1 internal cable
(1set*4)

Areca Order #
2600-101007-0400



internal SATA (4) x1 to SATA (4) x1 interna
right-angle cable
(1set*4)

Areca Order #
2600-101007-0401

eSATA controller to eSATA external enclosure



external eSATA x1
to eSATA x1 external cable

Areca Order #
26ES-1C0707-1000

Thunderbolt controller to Thunderbolt external enclosure



external Thunderbolt x1
to Thunderbolt x1 external cable

Areca Order #
26TB-1C1010-2M00

Internal/Eternal Cable Matrix

Internal



For Model:

ARC-1200

2600-101007-0200



For Model:

ARC-1110
ARC-1120

2600-101007-0401



For Model:

ARC-5020-3

26SS-1C2907-3700



2611-IC4307-0175



2611-IC4336-0175



2611-IC4343-0175

For Model:

ARC-1883i
ARC-1883LP
ARC-1883ix-12/16/24



2611-IC4307-0975



2611-IC4336-0975



2611-IC4343-0975

For Model:

ARC-1883ix-24



261S-IC3629-6150

For Model:

ARC-1201
ARC-1213-4i
ARC-1223-8i

ARC-13204ix
ARC-13208i
ARC-1880ixl-8

ARC-1880ixl-12
ARC-1882i
ARC-1882LP

ARC-1882ix-12
ARC-1882ix-16
ARC-1882ix-24



2611-IC3607-6975



2611-IC3636-6975

For Model:

ARC-1882ix-24



2611-IC3607-6175

For Model:

ARC-1201
ARC-1213-4i
ARC-1223-8i

ARC-1214-4i
ARC-1224-8i
ARC-1264il-12

ARC-1264il-16
ARC-1284MI-24
ARC-13204ix

ARC-13208i
ARC-1880ixl-8
ARC-1880ixl-12

ARC-1882ix-12
ARC-1882ix-16
ARC-1882ix-24

ARC-1882i
ARC-1882LP



2611-IC3636-6175

For Model:

ARC-1201
ARC-1213-4i
ARC-1223-8i
ARC-13204ix

ARC-13208i
ARC-1880ixl-8
ARC-1880ixl-12
ARC-1882i

ARC-1882LP
ARC-1882ix-12
ARC-1882ix-16
ARC-1882ix-24

ARC-8026-12
ARC-8026-16
ARC-8026-24
ARC-8068-12

ARC-8068-16
ARC-8068-24

External



26EE-IC4X4X-15D1

For Model:

ARC-1110ML
ARC-1120ML
ARC-4020ML



26EE-IC4X26-15D1

For Model:

ARC-1213-4x
ARC-1223-8x
ARC-4020ML



26ES-IC0707-1000

For Model:

ARC-5020



261T8-IC1010-2M00

For Model:

ARC-5026
ARC-8050



26EE-IC4426-0100



26EE-IC4444-0100

For Model:

ARC-1883x
ARC-1883LP
ARC-1883ix-12/16/24



26EE-IC2626-0100

For Model:

ARC-1213-4x
ARC-1223-8x
ARC-1214-4x
ARC-1224-8x

ARC-1320-4ix
ARC-1320-8x

ARC-1880ixi-8
ARC-1880ixl-12
ARC-1882x
ARC-1882LP

ARC-1882ix-12
ARC-1882ix-16
ARC-1882ix-24
ARC-4036ML

ARC-4036
ARC-8026-12
ARC-8026-16
ARC-8026-24

ARC-8040
ARC-8068-12
ARC-8068-16
ARC-8068-24

Drive Support Matrix

Model	Host Bus	Drive Int. Connector	Drive Ext. Connector	Drive Support	Default Cache	BBM Support		
ARC-4020ML	1 * SFF-8470		SFF-8470(1*4) 1	4(SATA II)				
ARC-4036ML	2 * SFF-8088		8	1	8(SATA II)			
ARC-4036			8	SFF-8088(1*4) 2	8(6Gb/s SAS/SATA)			
ARC-5020	1 * USB 2.0/ eSATA/iSCSI/AoE	SATA(1*1)	4	eSATA(1*1) 1	4(SATA II)	On Board DDRII 128MB		
ARC-5033	1 * SATA/ 1*ATA133		5		5(SATA II)			
ARC-5040	eSATA/USB3.0/ USB2.0/iSCSI/ /AoE/FireWire 800		8		8(SATA II)			
ARC-8040	2 * 6Gb/s SAS		6Gb/s SAS	8	SFF-8088(1*4)	up to 128 6Gb/s SAS /SATA	On Board DDRII 512MB	ARC-6120BAT021
ARC-8050	2 *Thunderbolt	8			8(6Gb/s SAS/SATA)	On Board DDRI II-1333 1GB	ARC-6120BAT021	
ARC-8026-12	6Gb/s JBOD SAS	SFF-8087(1*4)	3					
ARC-8026-16			4					
ARC-8026-24			6					
ARC-8068-12	2 * 6Gb/s SAS		3			On Board DDRII-800 2G	ARC-6120BAT121	
ARC-8068-16			4					
ARC-8068-24			6					
ARC-8007-iSCSI	1 * PCIe2.0/3.0	Z-pack HM-ZD	4	SFF-8088(1*4)	2	up to 256 6Gb/s SAS/SATA (Using SAS JBOD)	One 240 DDRIII-1 333 1G-4GB	ARC-8006-2
ARC-8007-SAS	2 * 6Gb/s SAS							
ARC-8007-8GF	4 * 8Gb/s Fibre							
ARC-8007-16GF	2 * 16Gb/s Fibre							
ARC-8007-1GE	4 * 1Gb/s iSCSI							
ARC-8007-10GE	2 * 10Gb/s iSCSI +2 * 1Gb/s iSCSI							
ARC-8008-SAS	2 * 12Gb/s SAS			SFF-8644(1*4)	2	up to 256 6Gb/s SAS/SATA (Using SAS JBOD)	One 240 DDRIII-1866 2G-8GB	ARC-8006-2
ARC-8008-1GE	4 * 1Gb/s iSCSI							
ARC-8008-10GE	2 * 10Gb/s iSCSI +2 * 1Gb/s iSCSI							
ARC-8008-16GF	2 * 16Gb/s Fibre							
ARC-8008-FCoE	2 * 10Gb/s FCoE							

Drive Support Matrix

Model	Host Bus	Drive Int. Connector	Drive Ext. Connector	Drive Support	Default Cache	BBM Support		
ARC-1110	PCI-X 64 Bit	SATA(1*2)	2		On Board DDR 256MB	ARC-6120BAT113		
ARC-1120		SATA(1*2)	4			8(SATA II)	ARC-6120BAT113	
ARC-1200	PCI-e X1 Lanes	eSATA(1*1)	2		On Board DDRII 128MB			
ARC-1201		SFF-8087(1*4)	2			8(SATA II)		
ARC-1213-4i	PCI-e 2.0 X8 Lanes	SFF-8087(1*4)	1		On Board DDRI I-800 512MB	ARC-6120BAT113		
ARC-1223-8i		SFF-8087(1*4)	2				4(6Gb/s SAS/ SATA)	
ARC-1213-4x				SFF-8088(1*4)			1	8(6Gb/s SAS/ SATA)
ARC-1223-8x				SFF-8088(1*4)			2	4(6Gb/s SAS/ SATA)
ARC-1214-4i								8(6Gb/s SAS/ SATA)
ARC-1224-8i	PCI-e 2.0 X8 Lanes	SFF-8087(1*4)	1		1GB on-board SDRAM with ECC	ARC-6120BAT121		
ARC-1224-8i		SFF-8087(1*4)	2				4(6Gb/s SATA)	
ARC-1214-4x				SFF-8088(1*4)			1	8(6Gb/s SATA)
ARC-1224-8x				SFF-8088(1*4)			2	4(6Gb/s SATA)
ARC-1264-12		SFF-8087(1*4)	3				12(6Gb/s SATA)	
ARC-1264-16		SFF-8087(1*4)	4				16(6Gb/s SATA)	
ARC-1284-24		SFF-8087(1*4)	6				24(6Gb/s SATA)	
ARC-1320-4i4x	PCI-e 2.0 X8 Lanes	SFF-8087(1*4)	1	SFF-8088(1*4)	1			
ARC-1320-8i		SFF-8087(1*4)	2			128(6Gb/s SAS/SATA)		
ARC-1320-8x				SFF-8088(1*4)	2			
ARC-1320ix-16		SFF-8087(1*4)	4	SFF-8088(1*4)	2			
ARC-1880ixl-8	PCI-e 2.0 X8 Lanes	SFF-8087(1*4)	2	SFF-8088(1*4)	1	On Board DDRI I-800 512MB	ARC-6120BAT113	
ARC-1880ixl-12		SFF-8087(1*4)	3	SFF-8088(1*4)	1			
ARC-1882i	PCI-e 2.0/3.0 X8 Lanes	SFF-8087(1*4)	2		up to 256 6Gb/s SAS/SATA (Using SAS JBOD)	On Board DDRII-1333 1GB		
ARC-1882x				SFF-8088(1*4)			2	
ARC-1882LP		SFF-8087(1*4)	1	SFF-8088(1*4)			1	
ARC-1882ix-12		SFF-8087(1*4)	3	SFF-8088(1*4)			1	
ARC-1882ix-16		SFF-8087(1*4)	4	SFF-8088(1*4)			1	
ARC-1882ix-24		SFF-8087(1*4)	6	SFF-8088(1*4)			1	
ARC-1883i	PCI-e 3.0 X8 Lanes	SFF-8643(1*4)	2		up to 256 12Gb/s SAS/SATA (Using SAS JBOD)	On Board DDRIII-1866 2GB		
ARC-1883x				SFF-8644(1*4)			2	
ARC-1883LP		SFF-8643(1*4)	1	SFF-8644(1*4)			1	
ARC-1883ix-12		SFF-8643(1*4)	3	SFF-8644(1*4)			1	
ARC-1883ix-16		SFF-8643(1*4)	4	SFF-8644(1*4)			1	
ARC-1883ix-24		SFF-8643(1*4)	6	SFF-8644(1*4)			1	
ARC-1883ix-24		SFF-8643(1*4)	6	SFF-8644(1*4)			1	

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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