

# Product Matrix



 **Infortrend**<sup>®</sup>

[www.infortrend.com](http://www.infortrend.com)

## ■ About Infortrend

Founded in 1993, Infortrend Corporation (Public TPE: 2495) is a leading provider of high performance networked storage solutions focusing on quality, reliability, choice, and value. Fueled by a depth of technological expertise and system level knowledge, Infortrend storage solutions have been widely deployed on a variety of demanding applications by multiple users across commercial and industrial markets. Our core brands include the ESVA®, EonStor DS, EonStor® and EonNAS product families.

## ■ Vision Statement - "Confidence through Excellence"

With a continuous investment in research and development, Infortrend has been dedicated to delivering upon its vision, "Confidence through Excellence." Infortrend provides its customers exceptionally high quality storage products and solutions to address their diverse requirements and protect their most valuable assets-applications and data. Infortrend's commitment to ensuring customer satisfaction, security and loyalty through product excellence is shared by Infortrend's global network of suppliers, distributors and storage integrators.

## ■ Award-Winning Products and Solutions

Infortrend offers a wide range of storage products and solutions which incorporate leading technologies to achieve high performance, reliability and ease of use. The proprietary ASIC design delivers advanced processing capability, the award-winning hardware ensures high availability, and the user-friendly management tools simplify administration.

With the ESVA Series, users are also able to take advantage of two dimensional scaling, thin provisioning and distributed load balancing to achieve optimal return on their investment and further maximize their application productivity when rebuilding or expanding their storage infrastructure.

Supporting storage protocols including Fibre Channel, iSCSI, SAS, SATA and SCSI, Infortrend products and solutions can be readily implemented in storage area networks (SAN) and direct attached storage (DAS) environments. Additionally, to meet top-tier application needs across business environments, the products and solutions are tested compatible with enterprise-level operating systems (OS) such as Windows® Server 2008, Solaris®, Linux®, IBM AIX®, HP-UX®, and server virtualization software such as VMware® and Microsoft Hyper-V.

For detailed product information, please visit [www.infortrend.com](http://www.infortrend.com) or contact Infortrend worldwide sales or channel partners.

## ■ Key Milestones, Awards and Achievements

- **2010**
  - Infortrend introduces the EonNAS family, the advanced unified storage solution
  - Infortrend introduces the EonStor Data Service (EonStor DS) product line

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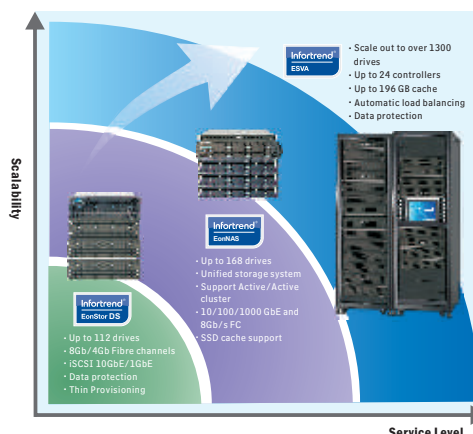
- 2009**
  - Infortrend introduces the ESVA (Enterprise Scalable Virtualized Architecture), a revolutionary SAN storage architecture
  - ESVA wins "Best Choice" award during Computex Taipei

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- 2008**
  - Infortrend introduces SANWatch® storage management software
  - B12F Series wins "Best Choice" award during Computex Taipei
  - IDC ranks Infortrend #7 in World Storage Ranking and Market Share

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- 2003**
  - Infortrend announces EonStor product line, the first Infortrend branded products



## Infortrend introduced the world's FIRST ...



- 2.5" HDD RAID array in 2007
- SAS RAID array in 2005
- SATA RAID array in 2003











## ■ Worldwide Service and Support





Headquartered in Taipei, Taiwan, Infortrend operates businesses through a global presence with joint forces of direct branch offices and channel partners. Our corporate offices located in the United States, the United Kingdom, Germany, China and Japan work with headquarters to penetrate American, European and Asia Pacific storage markets. With the help of an extensive global network of channel partners, our dedicated and competent sales and technical support teams deliver timely and efficient services, 24/7 worldwide.

# EonStor G6 Subsystem Specifications

iSCSI to SAS RAID Subsystem		
Product Image		
<b>Model</b>	<b>S16E-R1240</b>	<b>S16E-G1240</b>
<b>Redundant Controller</b>	Yes	No
<b>Form Factor</b>	3U Rackmount	3U Rackmount
<b>Drive Bays</b>	16	16
<b>Max . Number of Drives</b>	112	112
<b>RAID Engine</b>	ASIC667	ASIC667
<b>RAID Levels</b>	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
<b>Host Channel</b>	4CH, iSCSI 10G, 4 x SFP+	2CH, iSCSI 10G, 2 x SFP+
<b>Drive Channel</b>	SAS / SATA - II 3Gb/s	SAS / SATA-II 3Gb/s
<b>Expansion Channel</b>	SAS 4x, 2 x (SFF-8088)	SAS 4x, 1x (SFF-8088)
<b>Cache Memory(per Controller)</b>	1GB - 4GB DDR-II	1GB - 4GB DDR-II
<b>Cache Backup Module *1</b>	Yes	Optional
<b>Redundant Power Supply</b>	Yes	Yes
<b>Redundant Fan Modules</b>	Yes	Yes
<b>Management</b>	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2	

FC to SAS RAID Subsystem				
Product Image				
<b>Model</b>	<b>S24F-R1840-4</b>	<b>S24F-G1840-4</b>	<b>S24F-R1440</b>	<b>S24F-G1440</b>
<b>Redundant Controller</b>	Yes	No	Yes	No
<b>Form Factor</b>	4U Rackmount	4U Rackmount	4U Rackmount	4U Rackmount
<b>Drive Bays</b>	24	24	24	24
<b>Max . Number of Drives</b>	104	104	104	104
<b>RAID Engine</b>	ASIC667	ASIC667	ASIC667	ASIC667
<b>RAID Levels</b>	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
<b>Host Channel</b>	8CH, 8G FC, 8 x SFP	4CH, 8G FC, 4 x SFP	4CH, 4G FC, 4 x SFP	2CH, 4G FC, 2 x SFP
<b>Drive Channel</b>	SAS / SATA - II 3Gb/s	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s
<b>Expansion Channel</b>	SAS 4x, 2 x (SFF-8088)	SAS 4x, 1x (SFF-8088)	SAS 4x, 2 x (SFF-8088)	SAS 4x, 1 x (SFF-8088)
<b>Cache Memory(per Controller)</b>	1GB - 4GB DDR-II	1GB - 4GB DDR-II	1GB - 2GB DDR-II	1GB - 2GB DDR-II
<b>Cache Backup Module *1</b>	Yes	Optional	Yes	Optional
<b>Redundant Power Supply</b>	Yes	Yes	Yes	Yes
<b>Redundant Fan Modules</b>	Yes	Yes	Yes	Yes
<b>Management</b>	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2			

FC to SAS RAID Subsystem				
Product Image				
<b>Model</b>	<b>S16F-R1840-4</b>	<b>S16F-G1840-4</b>	<b>S12F-R1840-4</b>	<b>S12F-G1842-4</b>
<b>Redundant Controller</b>	Yes	No	Yes	No
<b>Form Factor</b>	3U Rackmount	3U Rackmount	2U Rackmount	2U Rackmount
<b>Drive Bays</b>	16	16	12	12
<b>Max . Number of Drives</b>	112	112	84	84
<b>RAID Engine</b>	ASIC667	ASIC667	ASIC667	ASIC667
<b>RAID Levels</b>	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
<b>Host Channel</b>	8CH, 8G FC, 8 x SFP	4CH, 8G FC, 4 x SFP	8CH, 8G FC, 8 x SFP	4CH, 8G FC, 4 x SFP
<b>Drive Channel</b>	SAS / SATA - II 3Gb/s	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s
<b>Expansion Channel</b>	SAS 4x, 2 x (SFF-8088)	SAS 4x, 1x (SFF-8088)	SAS 4x, 2 x (SFF-8088)	SAS 4x, 1x (SFF-8088)
<b>Cache Memory(per Controller)</b>	1GB - 4GB DDR-II	1GB - 4GB DDR-II	1GB - 4GB DDR-II	1GB - 4GB DDR-II
<b>Cache Backup Module *1</b>	Yes	Optional	Yes	Optional
<b>Redundant Power Supply</b>	Yes	Yes	Yes	Yes
<b>Redundant Fan Modules</b>	Yes	Yes	Yes	Yes
<b>Management</b>	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2			

FC to FC RAID Subsystem		SCSI to SAS RAID Subsystem		
Product Image				
<b>Model</b>	<b>F16F-R4840</b>	<b>F16F-S4840</b>	<b>S12U-G1440</b>	<b>S16U-G1440</b>
<b>Redundant Controller</b>	Yes	Single upgradable to redundant	No	No
<b>Form Factor</b>	3U Rackmount	3U Rackmount	2U Rackmount	3U Rackmount
<b>Drive Bays</b>	16	16	12	16
<b>Max . Number of Drives</b>	112	112	84	112
<b>RAID Engine</b>	ASIC667	ASIC667	ASIC667	ASIC667
<b>RAID Levels</b>	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
<b>Host Channel</b>	4CH, 8G FC, 4 x SFP	2CH, 8G FC, 2 x SFP	4CH, SCSI-320, 4 x VHDCI	2CH, SCSI-320, 4 x VHDCI
<b>Drive Channel</b>	4G FC	4G FC	SAS / SATA - II 3Gb/s	SAS / SATA-II 3Gb/s
<b>Expansion Channel</b>	2CH, 4G FC, 4xSFP	2CH, 4G FC, 4xSFP	SAS 4x, 1x (SFF-8088)	SAS 4x, 1x (SFF-8088)
<b>Cache Memory(per Controller)</b>	1GB - 4GB DDR-II	1GB - 4GB DDR-II	1GB - 4GB DDR-II	1GB - 4GB DDR-II
<b>Cache Backup Module *1</b>	Yes	Yes	Optional	Optional
<b>Redundant Power Supply</b>	Yes	Yes	Yes	Yes
<b>Redundant Fan Modules</b>	Yes	Yes	Yes	Yes
<b>Management</b>	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2			

\* 1 : Cache Backup Module consists Battery Backup Unit and Flash Backup Module.  
\* 2 : SANWatch Management Suite is supported on ASIC400 or later models.

# EonStor Subsystem Specifications

	Fibre to Fibre RAID Subsystem		Fibre RAID Head	
Product Image				
Model	<b>F16F-R4031-6</b>	<b>F16F-S4031-6</b>	<b>FF-R4030-6</b>	<b>FF-S4030-6</b>
Redundant Controller	Yes	Single upgradable to redundant	Yes	Single upgradable to redundant
Form Factor	3U Rackmount	3U Rackmount	1U Rackmount	1U Rackmount
Drive Bays	16	16	-	-
Max . Number of Drives	224 (4G FC)	224 (4G FC)	224 (4G FC)+48(SATA-II 3Gb/s)	224 (4G FC)+48(SATA-II 3Gb/s)
RAID Engine	ASIC400	ASIC400	ASIC400	ASIC400
RAID Levels	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
Host Channel	6CH, 4G FC with Hub function (2 SFP for each channel)		6CH, 4G FC with Hub function (2 SFP for each channel)	
Drive Channel	CH0,1: Host channel CH2,3: Drive Channel		CH0,1: Host channel CH2,3: Drive Channel	
Expansion Channel	CH4,5: User Configurable as Drive or Host Channel		CH4,5: User Configurable as Drive or Host Channel	
Cache Memory (per Controller)	512MB - 2GB DDR	512MB - 2GB DDR	512MB - 2GB DDR	512MB - 2GB DDR
Battery Backup (Memory)	Yes	Yes	Yes	Yes
Redundant Power Supply	Yes	Yes	Yes	Yes
Redundant Fan Modules	Yes	Yes	Yes	Yes
Management	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2			

	FC to SAS RAID Subsystem			
Product Image				
Model	<b>S16F-R1430</b>	<b>S16F-G1430</b>	<b>S12F-R1432</b>	<b>S12F-G1433</b>
Redundant Controller	Yes	No	Yes	No
Form Factor	3U Rackmount	3U Rackmount	2U Rackmount	2U Rackmount
Drive Bays	16	16	12	12
Max . Number of Drives	64	80	48	60
RAID Engine	ASIC400	ASIC400	ASIC400	ASIC400
RAID Levels	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
Host Channel	4CH, 4G FC, 8xSFP with Hub function	2CH, 4G FC, 4xSFP with Hub function	4CH, 4G FC, 4 x SFP	2CH, 4G FC, 2 x SFP
Drive Channel	SAS / SATA - II 3Gb/s	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s
Expansion Channel	SAS 4x, 2 x (SFF-8470)	SAS 4x, 1 x (SFF-8470)	SAS 4x, 2 x (SFF-8088)	SAS 4x, 1 x (SFF-8088)
Cache Memory(per Controller)	512MB - 2GB DDR	512MB - 2GB DDR	512MB - 2GB DDR	512MB - 2GB DDR
Battery Backup (Memory)	Yes	Optional	Yes	Optional
Redundant Power Supply	Yes	Yes	Yes	Yes
Redundant Fan Modules	Yes	Yes	Yes	Yes
Management	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2			

	Fibre to 2.5" SAS RAID Subsystem		Fibre to SATA RAID Subsystem	
Product Image				
Model	<b>B12F-R1430</b>	<b>B12F-G1431</b>	<b>A16F-G2430</b>	<b>A12F-G2422</b>
Redundant Controller	Yes	No	No	No
Form Factor	1U Rackmount	1U Rackmount	3U Rackmount	2U Rackmount
Drive Bays	12	12	16	12
Max . Number of Drives	48	60	16	12
RAID Engine	ASIC400	ASIC400	ASIC400	ASIC266
RAID Levels	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 10, 30, 50	0, 1(0+1), 3, 5, 10, 30, 50
Host Channel	4CH, 4G FC, 4 x SFP		2CH, 4G FC, 2 x SFP	
Drive Channel	2.5" SAS / SATA - II 3Gb/s		2.5" SAS / SATA-II 3Gb/s	
Expansion Channel	SAS 4x, 2 x (SFF-8088)		SAS 4x, 1 x (SFF-8088)	
Cache Memory(per Controller)	512MB - 2GB DDR		512MB - 2GB DDR	
Battery Backup (Memory)	Yes		Optional	
Redundant Power Supply	Yes		Yes	
Redundant Fan Modules	Yes		Yes	
Management	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2			

	FC to SAS RAID		Fibre SBOD	
Product Image				
Model	<b>A08F-G2422</b>	<b>F16F-J4000-R</b>	<b>A16F-J2430-G</b>	
Redundant Controller	No	Yes	No	
Form Factor	2U Rackmount	3U Rackmount	3U Rackmount	
Drive Bays	8	16	16	
Max . Number of Drives	8	16 (4G FC)	16 (SATA-II 3Gb/s)	
RAID Engine	ASIC266	Managed by RAID		
RAID Levels	0, 1(0+1), 3, 5, 10, 30, 50	Managed by RAID		
Host Channel	2CH, 4G FC, 2 x SFP	2CH, 4G FC, 4 x SFP (Loop Switch JBOD)		
Drive Channel	SATA - II 3Gb/s	2CH, 4G FC, 4 x SFP		
Expansion Channel	-	2CH, 4G FC, 4 x SFP		
Cache Memory(per Controller)	256MB - 1GB DDR	Managed by RAID		
Battery Backup (Memory)	Optional	Managed by RAID		
Redundant Power Supply	Yes	Yes		
Redundant Fan Modules	Yes	Yes		
Management	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2		Managed by RAID	

\* 1 : Cache Backup Module consists Battery Backup Unit and Flash Backup Module.  
 \* 2 : SANWatch Management Suite is supported on ASIC400 or later models.

# EonStor Subsystem Specifications

## SAS to SAS RAID Subsystem

Product Image				
Model	<b>S16S-R1030</b>	<b>S16S-G1030</b>	<b>S12S-R1032</b>	<b>S12S-G1033</b>
Redundant Controller	Yes	No	Yes	No
Form Factor	3U Rackmount	3U Rackmount	2U Rackmount	2U Rackmount
Drive Bays	16	16	12	12
Max . Number of Drives	64	80	48	60
RAID Engine	ASIC400	ASIC400	ASIC400	ASIC400
RAID Levels	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
Host Channel	4CH, SAS 4x, 4x (SFF-8470)	2CH, SAS 4x, 2x (SFF-8470)	4CH, SAS 4x, 4x (SFF-8088)	2CH, SAS 4x, 2x (SFF-8088)
Drive Channel	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s
Expansion Channel	SAS 4x, 2x (SFF-8470)	SAS 4x, 1x (SFF-8470)	SAS 4x, 2x (SFF-8088)	SAS 4x, 1x (SFF-8088)
Cache Memory(per Controller)	512MB - 2GB DDR	512MB - 2GB DDR	512MB - 2GB DDR	512MB - 2GB DDR
Battery Backup (Memory)	Yes	Optional	Yes	Optional
Redundant Power Supply	Yes	Yes	Yes	Yes
Redundant Fan Modules	Yes	Yes	Yes	Yes
Management	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2			

## SAS to SATA RAID Subsystem

Product Image				
Model	<b>A24S-G2130</b>	<b>A16S-G2130</b>	<b>A12S-G2130</b>	<b>A08S-G2130</b>
Redundant Controller	No	No	No	No
Form Factor	4U Rackmount	3U Rackmount	2U Rackmount	2U Rackmount
Drive Bays	24	16	12	8
Max . Number of Drives	88	16	12	8
RAID Engine	ASIC400	ASIC400	ASIC400	ASIC400
RAID Levels	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
Host Channel	2CH, SAS 4x, 4x (SFF-8088)	2CH, SAS 4x, 2x (SFF-8088)	2CH, SAS 4x, 2x (SFF-8088)	2CH, SAS 4x, 2x (SFF-8088)
Drive Channel	SATA - II 3Gb/s	SATA - II 3Gb/s	SATA-II 3Gb/s	SATA-II 3Gb/s
Expansion Channel	SAS 4x, 1x (SFF-8088)	-	-	-
Cache Memory(per Controller)	512MB - 2GB DDR	256MB - 1GB DDR	256MB - 1GB DDR	256MB - 1GB DDR
Battery Backup (Memory)	Optional	Optional	Optional	Optional
Redundant Power Supply	Yes	Yes	Yes	Yes
Redundant Fan Modules	Yes	Yes	Yes	Yes
Management	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*1			

## SAS JBOD

Product Image				
Model	<b>S16S-J1000-R</b>	<b>S16S-J1000-S</b>	<b>S12S-J1000-R</b>	<b>S12S-J1000-G</b>
Redundant Controller	Single upgradeable to redundant	No	Yes	No
Form Factor	3U Rackmount	3U Rackmount	2U Rackmount	2U Rackmount
Drive Bays	16	16	12	12
Max . Number of Drives	16 (SAS / SATA-II 3Gb/s*3)	16 (SAS / SATA-II 3Gb/s*3)	12 (SAS/SATA-II 3Gb/s*3)	12 (SAS/SATA-II 3Gb/s*3)
RAID Engine	Managed by RAID			
RAID Levels	Managed by RAID			
Host Channel	Managed by RAID			
Drive Channel	Managed by RAID			
Expansion Channel	SAS 4x, 4x (SFF-8470)	SAS 4x, 2x (SFF-8470)	SAS 4x, 4x (SFF-8088)	SAS 4x, 2x (SFF-8470)
Cache Memory(per Controller)	Managed by RAID		Managed by RAID	
Battery Backup (Memory)	Managed by RAID			
Redundant Power Supply	Yes	Yes	Yes	Yes
Redundant Fan Modules	Yes	Yes	Yes	Yes
Management	Managed by RAID			

## 2.5" SAS JBOD

## SAS to 2.5" RAID subsystem

Product Image				
Model	<b>B12S-J1000-R</b>	<b>B12S-J1000-S</b>	<b>B12S-R1030</b>	<b>B12S-G1031</b>
Redundant Controller	Yes	Single upgradeable to redundant	Yes	No
Form Factor	1U Rackmount	1U Rackmount	1U Rackmount	1U Rackmount
Drive Bays	12	12	12	12
Max . Number of Drives	12 (2.5" SAS)	12 (2.5" SAS)	48	60
RAID Engine	Managed by RAID		ASIC400	ASIC400
RAID Levels	Managed by RAID		0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
Host Channel	Managed by RAID		4CH, SAS 4x, 4x (SFF-8088)	2CH, SAS 4x, 2x (SFF-8088)
Drive Channel	Managed by RAID		2.5" SAS / SATA-II 3Gb/s	2.5" SAS / SATA-II 3Gb/s
Expansion Channel	SAS 4x, 4x (SFF-8088)	SAS 4x, 2x (SFF-8088)	SAS 4x, 2x (SFF-8088)	SAS 4x, 1x (SFF-8088)
Cache Memory(per Controller)	Managed by RAID		512MB - 2GB DDR	512MB - 2GB DDR
Battery Backup (Memory)	Optional			
Redundant Power Supply	Yes	Yes	Yes	Yes
Redundant Fan Modules	Yes	Yes	Yes	Yes
Management	Managed by RAID		Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2	

\* 1 : Cache Backup Module consists Battery Backup Unit and Flash Backup Module.

\* 3 : Depending on connected RAID model, to support SAS or SATA-II 3Gb/s.

\* 2 : SANWatch Management Suite is supported on ASIC400 or later models.

# EonStor Subsystem Specifications

iSCSI to SAS RAID Subsystem				
Product Image				
Model	<b>S16E-R1130</b>	<b>S16E-G1130</b>	<b>S12E-R1132</b>	<b>S12E-G1133</b>
Redundant Controller	Yes	No	Yes	No
Form Factor	3U Rackmount	3U Rackmount	2U Rackmount	2U Rackmount
Drive Bays	16	16	12	12
Max . Number of Drives	64	80	48	60
RAID Engine	ASIC400	ASIC400	ASIC400	ASIC400
RAID Levels	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
Host Channel	8CH, 1Gb Ethernet, 8 x (RJ-45)	4CH, 1Gb Ethernet, 4 x (RJ-45)	8CH, 1Gb Ethernet, 8 x (RJ-45)	2CH, 1Gb Ethernet, 2 x (RJ-45)
Drive Channel	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s	SAS / SATA-II 3Gb/s
Expansion Channel	SAS 4x, 2 x (SFF-8088)	SAS 4x, 1 x (SFF-8088)	SAS 4x, 2 x (SFF-8088)	SAS 4x, 1 x (SFF-8088)
Cache Memory(per Controller)	512MB - 2GB DDR	512MB - 2GB DDR	512MB - 2GB DDR	512MB - 2GB DDR
Battery Backup (Memory)	Yes	Optional	Yes	Optional
Redundant Power Supply	Yes	Yes	Yes	Yes
Redundant Fan Modules	Yes	Yes	Yes	Yes
Management	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2			

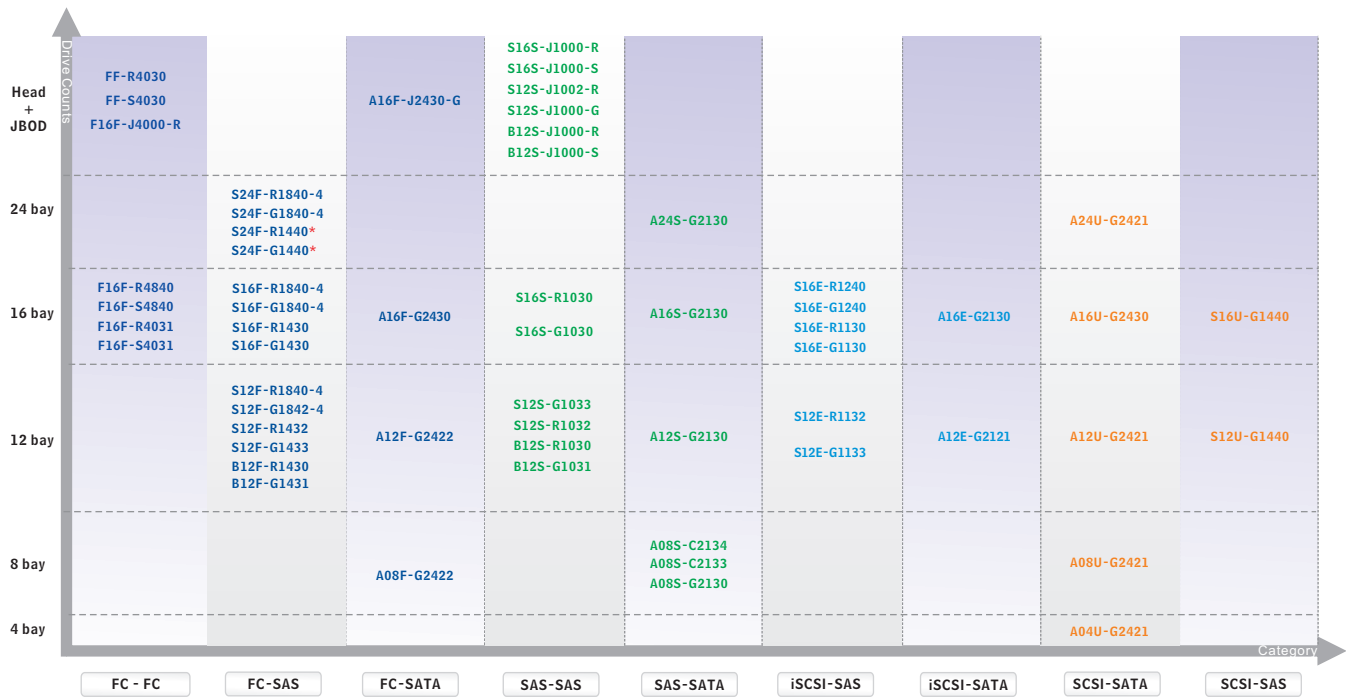
iSCSI to SATA RAID Subsystem		SCSI to SATA RAID Subsystem		
Product Image				
Model	<b>A16E-G2130</b>	<b>A12E-G2121</b>	<b>A24U-G2421</b>	
Redundant Controller	No	No	No	
Form Factor	3U Rackmount	2U Rackmount	4U Rackmount	
Drive Bays	16	12	24	
Max . Number of Drives	16	12	24	
RAID Engine	ASIC400	ASIC266	ASIC266	
RAID Levels	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	
Host Channel	4CH, 1Gb Ethernet, 4 x (RJ-45)	2CH, 1Gb Ethernet, 2 x (RJ-45)	2CH, SCSI-320, 4 x VHDCI	
Drive Channel	SATA-II 3Gb/s	SATA-II 3Gb/s	SATA-II 3Gb/s	
Expansion Channel	-	-	-	
Cache Memory(per Controller)	512MB - 2GB DDR	512MB - 1GB DDR	256MB - 1GB DDR	
Battery Backup (Memory)	Optional	Optional	Optional	
Redundant Power Supply	Yes	Yes	Yes	
Redundant Fan Modules	Yes	Yes	Yes	
Management	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2			

SCSI to SATA RAID Subsystem				
Product Image				
Model	<b>A12U-G2421</b>	<b>A08U-G2421</b>	<b>A04U-G2421</b>	
Redundant Controller	No	No	No	
Form Factor	2U Rackmount	2U Rackmount	1U Rackmount	
Drive Bays	12	8	4	
Max . Number of Drives	12	8	4	
RAID Engine	ASIC266	ASIC266	ASIC266	
RAID Levels	0, 1(0+1), 3, 5, 10, 30, 50	0, 1(0+1), 3, 5, 10, 30, 50	0, 1(0+1), 3, 5, 10, 30, 50	
Host Channel	2CH, SCSI-320, 4 x VHDCI	2CH, SCSI-320, 4 x VHDCI	1 CH, SCSI-320, 2 x VHDCI	
Drive Channel	SATA-II 3Gb/s	SATA-II 3Gb/s	SATA-II 3Gb/s	
Expansion Channel	-	-	-	
Cache Memory(per Controller)	256MB - 1GB DDR	256MB - 1GB DDR	256MB - 1GB DDR	
Battery Backup (Memory)	Optional	Optional	-	
Redundant Power Supply	Yes	Yes	-	
Redundant Fan Modules	Yes	Yes	Yes (Not hot-swappable)	
Management	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2			

SAS to SATA RAID Subsystem	
Product Image	
Model	<b>A08S-C2134</b>
Redundant Controller	No
Form Factor	Tower or Desktop (Convertible)
Drive Bays	8
Max . Number of Drives	8
RAID Engine	ASIC400
RAID Levels	0, 1(0+1), 3, 5, 6, 10, 30, 50, 60
Host Channel	2CH, SAS 4x, 2 x (SFF-8088)
Drive Channel	SATA - II 3Gb/s
Expansion Channel	-
Cache Memory(per Controller)	256MB - 1GB DDR
Battery Backup (Memory)	Optional
Redundant Power Supply	Yes
Redundant Fan Modules	Yes
Management	Terminal emulation via RS-232 or Telnet, LCD keypad panel, embedded RAIDWatch, or JAVA-based SANWatch*2

\* 1 : Cache Backup Module consists Battery Backup Unit and Flash Backup Module.  
 \* 2 : SANWatch Management Suite is supported on ASIC400 or later models.

## Subsystem Overview by Host interface



\* S24F-R1440 and S24F-G1440 are not available in EU region.



As a VMware® Technology Alliance Partner (TAP) member, Infortrend will have closer collaboration with VMware to ensure future Infortrend RAID subsystems meet VMware compatibility requirements. Infortrend's VMware-compatible iSCSI and FC-host arrays are available as a RAID head and 8-, 12-, 16-, and 24-bay subsystems that support FC, SAS, or SATA hard drives, providing enterprise-class storage solutions to suit a wide variety of computing environments.

### VMware Certified Infortrend RAID Subsystems

FC-to-FC	FC-to-SAS	FC-to-SAS	FC-to-SATA	iSCSI
F16F-R4031	S16F-R1430	B12F-G1431	A16F-G2430	A16E-G2130
F16F-S4031	S16F-G1430	S24F-R1840	A12F-G2422	S16E-R1130
FF-R4030	S12F-R1432	S24F-G1840	A08F-G2422	S16E-G1130
FF-S4030	S12F-G1433	S24F-R1440		S12E-R1132
F16F-R4840	S12F-R1840	S24F-G1440		S12E-G1133
F16F-S4840	S12F-G1840	S16F-R1840		
	B12F-R1430	S16F-G1840		



Infortrend has attained Gold Certified Partner status in the Microsoft Partner Program, strengthening its competitive edge in developing networked storage solutions that are based on the Windows system. To date, over 70 of Infortrend's RAID subsystems have been certified by Microsoft Windows Quality Labs (WHQL) Testing and all are listed in the Windows RAID category, including Windows 2003 and 2008.



iSCSI	SCSI
S16E-R1131	S16U-G1440
S16E-G1130	S12U-G1440
A16E-G2130	
S12E-R1132	
S12E-G1133	

### Windows Server 2003 or 2008 certified Infortrend RAID Subsystems

FC-to-FC	FC-to-SAS	FC-to-SAS	FC-to-SATA	SAS-to-SAS	SAS-to-SATA	FC-to-2.5" SAS	SAS-to-2.5" SAS
F16F-R4840	S24F-R1840	S12F-R1840	A16F-G2430	S16S-R1030	A24S-G2130	B12F-R1430	B12S-R1030
F16F-S4840	S24F-G1840	S12F-R1432		S16S-G1030	A16S-G2130	B12F-G1431	B12S-G1031
F16F-R4031	S16F-R1840	S12F-G1840		S12S-R1032	A12S-G2130		
F16F-S4031	S16F-G1840	S12F-G1433		S12S-G1033	A08S-C2130		
FF-R4030	S16F-R1430	S24F-R1440			A08S-C2131		
FF-S4030	S16F-G1430	S24F-G1440			A08S-C2132		

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**Asia Pacific**  
**Infortrend Technology, Inc.**

Tel: +886-2-2226-0126  
E-mail : [sales.ap@infortrend.com](mailto:sales.ap@infortrend.com)  
Technical Support : <http://esupport.infortrend.com.tw>

**Americas**  
**Infortrend Corporation**

Tel: +1-408-988-5088  
E-mail : [sales.us@infortrend.com](mailto:sales.us@infortrend.com)  
Technical Support : <http://esupport.infortrend.com>

**Europe (EMEA)**  
**Infortrend Europe Ltd.**

Tel: +44-1256-707-700  
E-mail : [sales.eu@infortrend.com](mailto:sales.eu@infortrend.com)  
Technical Support : <http://esupport.infortrend-europe.com>

**China**  
**Infortrend Technology, Ltd.**

Tel: +86-10-63106168  
E-mail : [sales.cn@infortrend.com](mailto:sales.cn@infortrend.com)  
Technical Support : <http://esupport.infortrend.com.tw>

**Japan**  
**Infortrend Japan, Inc.**

Tel: +81-3-5730-6551  
E-mail : [sales.jp@infortrend.com](mailto:sales.jp@infortrend.com)  
Technical Support : <http://esupport.infortrend.com.tw>

**Germany**  
**Infortrend Deutschland GmbH**

Tel: +49(0)894515187-0  
E-mail : [sales.de@infortrend.com](mailto:sales.de@infortrend.com)  
Technical Support : <http://esupport.infortrend-europe.com>