

StoragePro™ iR16 12G SAS Expander

Technical Specification - Version 3.0



It's Time to Upgrade to 12G echnology

The iStoragePro iR16 12G SAS Expander is a rackmount-style JBOD enclosure that holds up to 16 3.5" Hard Drives.

Sporting a smooth, modern design, this unit complements any data center, server-storage room, or mobile rack environment in style. **Through the process of Daisy Chaining, you can connect up to a total of 8 of these enclosures to reach a maximum capacity of 1024TB of storage.¹**

Features

High Capacity

Store up to 288TB of data per unit.

Daisy Chain Technology

Expand your configuration up to 8 units total, with a maximum of 128 hard disk drives.¹

RAID Protection

Supports RAID levels 0, 1, 5, 6, and 10 or JBOD configuration.²

Silence You Can Hear

Silent Fan Technology that cuts down the noise level - ideal for studio environments.

Rackmount Design

Made for easy storage in standard rackmount cabinets - perfect for any data center, server-storage, or mobile rack environment.

Built to Support Advanced Video Formats

Such as DV, HDV, ProRes 422, DVCPRO HD, HD 8-bit & 10-bit uncompressed, and much more.

Specifications

Optimal Performance with 12Gb/s Technology

Requires 12Gb/s SAS/SATA drives

Hard Disk Drives (HDDs)

Store up to 16 3.5" HDDs. Choose from 8TB, 10TB, 12TB, and 18TB-hot swappable drives.

External Host Interface

12Gb/s, 1 HDSAS Host port ,
2 HDSAS Expander ports

Compatible with Standard Operating Systems

Mac OSX, Windows, Linux.

Warranty

Standard 3-Year Limited Factory Warranty.

¹ Actual figures may vary. Please refer to RAID Controller Card specifications.

² RAID Controller Card required.

Expander JBOD

16TB

Model Number	iR16SAE12GS
Product Series	iR16 Series
Product Name	iR16 12G SAS Expander
Raw Capacity	up to 1024TB
External Host Interface	12Gb/s 1 HDSAS Host Port ³ 2 HDSAS Expander Ports ⁴
Cooling	3 Cooling Fans
OS Compatibility	Mac OSX, Windows, Linux
Power Supply	Universal Auto-Switching
Enclosure Dimensions (L x W x H)	25.5" x 19" x 5.25"
Enclosure Weight	46 lbs ⁵
Enclosure Weight at Full HDD Capacity	70 lbs ⁵
Package Dimensions (L x W x H)	31" x 25" x 11.5"
Package Weight at Full HDD Capacity	86 lbs ⁵
Warranty	Standard 3-Year Limited Factory Warranty ⁶

³ Host Port refers to the connection slot used to connect the storage system or unit to your computer system.

⁴ Expander Port refers to the connection slot(s) used to connect the storage system or unit to multiple storage systems or units, also known as Daisy Chaining

⁵ This is an approximate measurement based on ideal conditions.

⁶ Certain restrictions apply.

What's Included

Rackmount Storage Enclosure

Accessories Kit

2 x A/C Power Cables

16 x Removable Drive Trays

PCI-Express RAID Controller Card (optional)

1 x Rackmount Sliding Rail Set

1 x HDSAS 8644 Cable (1 Meter)

Qualified RAID Controller Cards



ATTO R680 (SATA/SAS) (6Gb/s)
Areca 1883X (SATA/SAS)
(12Gb/s)



ATTO R680 (SATA/SAS) (6Gb/s)
Areca 1883X (SATA/SAS)

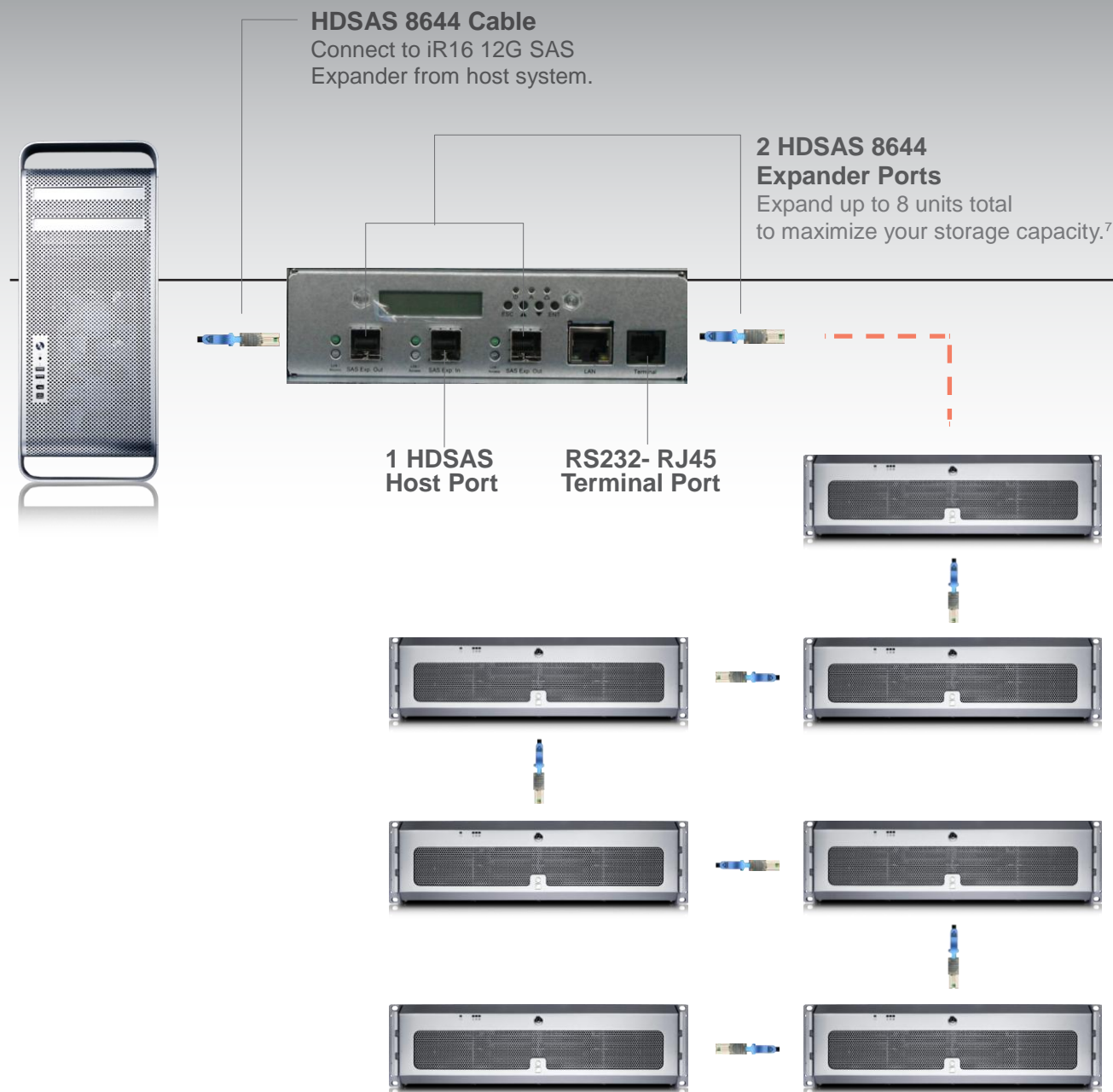
Front View

Bezel Door



Back View

Redundant
Power SupplyThumbscrew
For Easy Maintenance2 HDSAS
Expander Ports1 HDSAS
Host PortRS232- RJ45
Terminal Port



⁷ Actual figures may vary. Please refer to RAID Controller Card specifications for more details.

All products, dates, specifications, features, and figures specified in this document are introductory and are based on ideal conditions, and are subject to change without notice.

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