



Citadel Series StorageTM

“Servers and Storage Built for the Security Industry”

The AGS Citadel Series Storage JBODs are manufactured using only top-of-the-line Intel and Intel certified components. The AGS Citadel Series Storage JBODs are proudly made in America and is designed to continuously operate under the rigorous demands of an IP video surveillance system. Standard storage units only have to process the occasional read/write requests that occur when loading applications, surfing the Internet and saving or retrieving documents. Video surveillance storage requires continuous writing of video to the storage media. AGS uses enterprise grade storage that is designed for the continual read/write requirements of a video surveillance system. This assures that any recorded surveillance video will be available when it's needed.

AGS has over 30 years of computer engineering experience which goes into every system that we build. Endless hours go into every prototype before it becomes an AGS product. You can be certain that an AGS system will operate at peak efficiency today, tomorrow and in the future.

All AGS systems come with a standard 3 year warranty with advance replacement on all Intel components. Once an AGS system is installed, you can rest assured that it will operate trouble free without the need for constant maintenance and service calls.

AGS systems are currently being used at International Airports, Banks, Casinos, Universities, Healthcare Facilities, Fortune 500 Companies and Federal, State and Local Government Facilities. AGS systems are the most intellegent solutions for any mission critical video surveillance system.

The AGS Citadel Series Storage JBODs are built to last and designed to operate under the most demanding conditions. Install AGS Citadel Series Storage JBODs and you can have the same piece of mind as the Federal Bureau of Investigation (FBI), Trump Plaza Casino, the Massachusetts Institute of Technology (MIT), Trump Plaza Casino, and the University of Cincinnati.



The AGS Citadel Series Storage JBODs can be configured with up to forty-eight (48) drives using either 1TB or 2TB enterprise grade hard disks. Different configurations can provide the user with raw storage capacity ranging from eight (8) to ninety-six (96) terabytes allowing these devices to store a very impressive amount of surveillance video. RAID5 and RAID6, both with optional hot spare, are supported for additional redundancy and reliability.

The AGS Citadel Series Storage JBODs have been certified with the NVR application software offered by the following companies:

- Pelco
- OnSSI
- Axis
- Milestone
- Lenel
- Strand
- Bosch
- Genetec
- Salient
- Cisco
- IPconfigure
- JDS



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TECHNICAL SPECIFICATIONS

- Uses 1 Terabyte or 2 Terabyte Drives
- SAS Expander - SFF-8088 For External Host and JBOD Interface
- RAID5, RAID5 w/Hot Spare, RAID6, RAID6 w/Hot Spare
- 650 or 950 Watt Power Supplies:
Redundant Power Supplies Require Separate Power/UPS Source
Voltage: 100VAC to 240VAC (+/- 10%) / Frequency: 47Hz to 63Hz / Input Current: 16 to 8A Max at any low/high input voltage / Inrush Current: 65A/125A @ 115VAC/230VAC (25° C) / Power Factor Correction: 95% @ 110VAC, Full Load
- Rack Mount Kit Included

SERIES COMPARISON:	SAS16	SAS24	SAS48
Intel Certified 16 Drive 3U Rack Mount Chassis	✓		
Size: 5.4" H x 19" W x 28" D / Approx. 120 lbs	✓		
Intel Certified 24 Drive 5U Rack Mount Chassis		✓	
Size: 8.25" H x 19" W x 28" D / Approx. 145 lbs		✓	
Intel Certified 48 Drive 8U Rack Mount Chassis			✓
Size: 14" H x 19" W x 28" D / Approx. 195 lbs			✓
Up To 32 Terabytes of Raw Storage Using 2TB Drives	✓		
Up To 48 Terabytes of Raw Storage Using 2TB Drives		✓	
Up To 96 Terabytes of Raw Storage Using 2TB Drives			✓
650 Watt 2+1 Hot Swap Redundant Power Supply	✓		
950 Watt 2+1 Hot Swap Redundant Power Supply		✓	
950 Watt 3+1 Hot Swap Redundant Power Supply			✓

How to build a part number

AGS-SAS16-XX-RYZ

XX = Raw Storage; 08 up to 32
Y = 5 For RAID5, 6 For RAID6
Z = H For Hot Spare, N For None

AGS-SAS24-XX-RYZ

XX = Raw Storage; 12 up to 48
Y = 5 For RAID5, 6 For RAID6
Z = H For Hot Spare, N For None

AGS-SAS48-XX-RYZ

XX = Raw Storage; 24 up to 96
Y = 5 For RAID5, 6 For RAID6
Z = H For Hot Spare, N For None

Operating Environment: 64°F - 75°F @ 35-55% RH non-condensing. Non-Operating Environment: 55°F - 95°F @ 10-90% RH non-condensing

It is the client/end user's responsibility to provide the proper mechanical/electrical/plumbing/fire protection (MEPFP) and IT environment that conforms to the Uptime Institute Tier 1 requirements and all applicable Federal, State, County, & Local codes & standards (UTI, EIA/TIA, BICSI, etc.).

This system has been engineered to work with each component to the best usage of optimal computer power. The Computer industry's components change on a regular basis.

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