

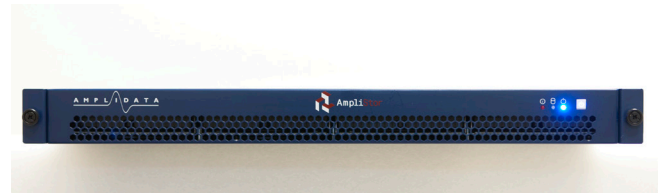
Data Sheet

AmpliStor® AS36 & AS48 Storage Nodes



SYSTEM HIGHLIGHTS

AmpliStor AS36 & AS48 Storage Node – provide industry-leading density with 36TB and 48TB raw capacity in a 1U rack-mount server enclosure. As the storage component of the AmpliStor Object-based Software Defined Storage System, the Storage Node is designed to provide a high-density, power-efficient storage. Equipped with twelve (12), 3TB & 48TB “Cloud” SATA disk drives and low-power processor, and maximum power consumption of only 100 Watts (nominal) - 160 Watts (at max running performance), or about 3 to 6 Watts per Terabyte. The unprecedented capacity, density, low-power consumption and overall low TCO of the AmpliStor Storage Node makes it an ideal fit for large, unstructured data applications for Active Archives, Online Applications, and Storage clouds.



KEY FEATURES

Storage Operating System and Software

- AmpliStor BitDynamics
- Out-of-band health monitoring, data integrity verification and self-healing
- Plug-and-play discovery and configuration
- Fast boot
- Self-healing after component failures

Standard Software Features

- Active data integrity verification & assurance through CRC checksums
- Integrated and automated capacity management
- Automated event management and alerting
- Command line interface management tool
- Web-based Graphical User Interface (GUI) management tool

Hardware Features

- Low-power Intel® Xeon® Processor E3-1220L v2 (17 Watts)
- Dual Full duplex 10/100/1000 Base-T Ethernet onboard
- Disk Status LEDs
- Integrated cooling fans
- Integrated dual redundant power supply

AMPLIDATA

1551 McCarthy Blvd, Suite 204
Milpitas, CA 95035 (USA)

INFO

info@amplidata.com
www.amplidata.com

Intel, the Intel logo, the Intel Inside logo and Xeon are trademarks of Intel Corporation in the U.S. and/or other countries. Intel and Xeon are trademarks of Intel Corporation in the U.S. and/or other countries.

Copyright © 2014 Amplidata. All rights reserved. Specifications subject to change without notice. Amplidata and AmpliStor and the Amplidata and AmpliStor logos are trademarks or registered trademarks of Amplidata. *All other trademarks used or mentioned herein belong to their respective owners.

Data Sheet

AmpliStor® AS36 & AS48 Storage Nodes



AMPLISTOR STORAGE NODE SPECIFICATIONS

Models	AS36 & AS48
Chassis Form Factor	1 EIAU High – 19" IEC rack-compliant
Disk Drives	12 x SATA drives (WD* "Cloud" drives)
Disk Drive Density	3 TB & 4 TB
Raw Capacity	36 TB & 48 TB
Processor	Low-power Intel® Xeon® Processor E3-1220L v2 (17 Watts)
Memory	8 GB, ECC memory
Network Connectivity	2 x 1 Gigabit Ethernet
SSD Cache (Optional)	1 x 240GB SSD (Intel 520)

AMPLISTOR STORAGE NODE ENVIRONMENTAL SPECIFICATIONS

AC Power	100 to 240 VAC, 50 - 60Hz, 3.0A – 1.5A Dual redundant PSUs
Thermal rating	476 Btu/hour
Weight	57 lbs. (fully populated chassis)
Height	1.75"
Width	19" IEC rack-compliant
Depth	33.5"
Operating Temp & Relative Humidity	10° C to 35° C (50° F to 95° F) < 3000m (<35000') elevation 20% to 80% relative humidity, non-condensing
Non-operating Temp & Rel. Humidity	-20° C to 60° C (-4° F to 140° F) 10% to 95% relative humidity, noncondensing
Min. service clearances	30" (front); 30" (rear)

REGULATIONS

Storage Node Safety CE, UL* Listed, RoHS



Intel, the Intel logo, the Intel Inside logo and Xeon are trademarks of Intel Corporation in the U.S. and/or other countries. Intel and Xeon are trademarks of Intel Corporation in the U.S. and/or other countries.

AMPLIDATA
1551 McCarthy Blvd, Suite 204
Milpitas, CA 95035 (USA)

INFO
info@amplidata.com
www.amplidata.com

Copyright © 2014 Amplidata. All rights reserved. Specifications subject to change without notice. Amplidata and AmpliStor and the Amplidata and AmpliStor logos are trademarks or registered trademarks of Amplidata. *All other trademarks used or mentioned herein belong to their respective owners.