

ONStor Bobcat Series NAS Gateway Enterprise Solution for File Server Consolidation



Explosive growth in unstructured data has created storage islands posing significant challenges for enterprise storage environments. Ineffective data protection, wasted storage and rising operational costs are driving enterprises to adopt a cohesive consolidation strategy. ONStor Bobcat Series NAS Gateway offers enterprise customers a file storage consolidation platform that simplifies scaling, protection, and management of unstructured data. Bobcat delivers reliable file services across a broad range of enterprise SAN storage in a compact, energy-efficient package.

HIGHLIGHTS

- Solid state design in a compact, energy efficient chassis.
- 1U form factor with 140W of power dissipation
- Multi-core, 64-bit pipelined network processor architecture
- Heterogeneous, Open SAN storage support
- Compact, high performing EverON storage operating system
- Multi-protocol (NFS, CIFS) file serving with native server virtualization.
- Best-in-class EverON software suite for data management & data protection features

Open Storage Support Means Choice

Bobcat Series NAS gateway is the industry's first and leading NAS solution that lets you consolidate your unstructured data under a single file management framework over SAN storage of your choice. Bobcat is interoperable with a broad range of enterprise SAN storage arrays from multiple vendors delivering investment protection of your existing storage assets.

Compact, Eco-friendly, Energy Efficient Design

The Bobcat NAS gateway uses a breakthrough multi-core network processor based system design that maximizes data throughput with low latencies even under high workloads. This high performance comes with very low power consumption and heat dissipation. Enterprise customers challenged with power/cooling issues in their data centers can dramatically reduce their energy costs using the eco-friendly Bobcat.

Scaling Performance and Capacity independently

ONStor Clustered NAS Gateways feature a modular clustered architecture that lets you add performance and/or capacity when you need it. Start with an affordable entry level configuration and then scale seamlessly as requirements grow. EverON High Availability Clustering features non-stop cluster management and automated storage provisioning which allow you to add Bobcat gateways and/or disk storage independently. "Autogrow" functionality in EverON StorFS file system delivers dynamic capacity expansion with no downtime.

Reliability & Availability

The Bobcat's modular system architecture coupled with N-way high availability clustering in EverON operating system eliminates any single point of failure to deliver maximum data availability and resilient operation. Data availability is further ensured by a comprehensive suite of EverON data protection features such as snapshots, mirroring and replication.

Flexibility and Agility with Virtual Servers

If you've ever had one server overloaded while a nearby server sits idle, you know the problem of resource utilization. ONStor NAS Gateways overcome this with Virtual Servers that let you redistribute resources on the fly. A Virtual Server is a logical file serving entity — with its own name and IP address — that can be transparently moved among NAS gateways in the cluster. Users see it as a permanent mount point that never changes. Virtual Servers make load balancing and performance scaling a snap.

MODELS & TECHNICAL SPECIFICATIONS

	Model 2240	Model 2260	Model 2280
Form Factor	1 U	1 U	1 U
Hardware			
Processor	650MHz Broadcom SiByte 1250 – total 6 cores		
LAN Connectivity	Four (4) Gigabit Ethernet ports – Optical (LC connector) or Copper (RJ-45)		
Management Controller	Dual 512MB Compact Flash cards; Two 10/100BT Ethernet ports (RJ-45); One RS-232 (DB-9) serial port		
Storage Connectivity	Two (2) Fibre Channel ports – 1 & 2Gbit/sec, optical (LC connector)		
ECC Cache Memory	4GB	8GB	8GB
EverON Software			
Operating System	EverON OS		
Standard Software Features	NFS, CIFS protocols, EverON Snapshots, Virus Scan Applet		
Licensed Software Products	EverON Data Restore, EverON High Availability Clustering, EverON Data Mirror, EverON NDMP		
Management Interface	EverON NAS Cluster Manager, Command Line Interface (CLI)		
EverON StorFS File System			
File System Size (max)	100TB		
File Size (max)	100TB		
File Systems	Up to 100 per EverON NAS Cluster		
Snapshots	Up to 48 per file system		
Storage Quota	Volume / File System, Directory, Group, User		
Network and Protocol Support			
Network File Services	NFSv2, v3; Network Lock Manager (NLM) v1, v3, v4; Microsoft SMB CIFS over TCP		
Storage Protocol	FC-AL, FC-Fabric		
Network Management	SNMP MIB-II		
User Authentication	UNIX NIS, Microsoft Active Directory, Kerberos		
Backup Application Support			
Data Management Applications	VERITAS, IBM Tivoli Storage Manager, CA, BakBone, Legato		
SAN Support			
SAN FC Switches	Brocade, Cisco, McData, Qlogic		
Storage Arrays	3PAR, EMC, Fujitsu, HDS, HP, IBM, LSI, Nexsan, Texas Memory, Xyratex *		
Dimensions and Weight			
Height, Width, Depth, Weight	H: 1.75 in (4.45 cm), W: 17.5 in (44.5 cm), D: 24.0 in (61 cm), Weight: 20 lbs (9.1 kg)		
Power Specifications			
AC Power / Maximum Current	90-260 VAC (auto switching), 47-63 Hz, 1.9A @ 115VAC (160 Watts)		
Power Supply	Dual redundant power supplies		
Cooling Fans	N+1 redundant fans		
Regulatory Approvals			
Safety	UL 60950-1, CSA 60950-1, IEC 60950-1, EN 60950-1		
Emissions	FCC Part 15 Class A, EN55022, EN55024, VCCI Class A, AS/NZS 3548, ICES 003		
Environment			
Operating Temperature	0° C to 40° C (32° F to 104° F)		
Operating Relative Humidity	20% to 80% relative humidity, non-condensing		
Non-Operating Temperature	-20° C to 60° C (-4° F to 140° F)		
Non-operating Relative Humidity	10% to 90% relative humidity, non-condensing		
Operating Altitude (range)	0m (0 ft.) - 2,150m (7,000 ft.)		
Thermal Rating (max)	450 BTU/hr		

*See ONStor compatibility matrix



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