CACHEBOX420

appliansys

PERFORMANCE CACHING
SENSIBLE PRICES

OVERVIEW

The CACHEBOX400 series is designed for your network core. It combines enterprise-class feature rich caching software with the security, reliability and ease-of-use of the appliance format.

CACHEBOX420 is specifically designed to serve large network cores. Featuring swappable disks and dual redundant power supply, this 2U rack-mountable model uses SSDs to store cached objects - delivering these at high speeds.

CACHEBOX420 stores up to 10TB of larger files and caches software updates from leading Operating System and Application vendors like Apple and Microsoft.

In a typical network scenario, a single CACHEBOX420 appliance can support more than 10,000 users per appliance, over a 1Gbps bandwidth link. Other vendors only offer this level of performance with bigger, more expensive devices.

If you have a very heavy caching workload, you can cluster two or more CACHEBOX420s with WCCP or a load balancer to get even higher performance.

If you plan to deploy more than 5 or 6 appliances, either clustered in a datacentre or distributed across many locations, you can simplify their configuration, management and recovery with the CACHEBOX Central Management Console (CMC).

FEATURES & BENEFITS

Save bandwidth, save money
- Fully featured caching software
- HTTP and HTTPS* caching
- Software update caching (MS Windows, Apple, Avast, Kaspersky etc)
- Off-peak pre-caching of content

Easier to manage
- Dedicated caching appliance
- Intuitive, secure web admin interface
- Setup and caching assistants
- On-box graphical reporting / scheduled reporting to monitor caching and network performance
- Automated on-box / off-box backups
- Automated alerting
- Multi-lingual interface
- Control and administer multiple users
- Validated and automated data entry
- Operating system runs from read-only industrial CFast memory card
- SNMP support
- Custom ACLs support

*Not for Service Providers

Flexible deployment
- Supports multiple transparent and explicit deployment modes inc. WCCP
- Swappable SSD/HDDs
- Clustering, load balancing and hierarchies
- IP spoofing
- Firewall with NAT forwarding for networking flexibility
- iKVM remote access technology

Safe client browsing
- MS Active Directory integration via NTLM and Kerberos authentication
- User Access Logging

Secure management interface
- Secure HTTPS and SSH management interface
- RADIUS/LDAP authentication

SPECIFICATIONS

Usage	Large network core
*Performance	~6,000 HTTP Requests Per Sec
Performance with NIC Bonding	Upto 1.6G throughput
Ethernet (NICs)	4 x 10/100/1000** †
Cache Storage	3 x SSD, 5 x HDD. All disks are ejectable
Removable Flash Storage	1 x Compact Flash card for OS, 1 x Compact Flash card for data
OS	Linux
Form Factor	19" 2U Rack-mountable
Dimensions	19" (482.6mm) x 3.5" (88.10mm) x 27" (688mm)
Weight (Max)	25 KG
Power	100-240V AC Dual Redundant
Max Power	620W
Temperature	5°C to 35°C (41°F to 95°F.)
Humidity	Less than 85% relative humidity, non-condensing

*Peak performance achieved under test conditions. Real life performance limits vary, depending on network and traffic characteristics
**10GB ethernet is optional.
† Optional Fail-to-Wire card provides additional ports, does not use CACHEBOX420's standard ports.