

CACHEBOX solutions for enterprises



OVERVIEW

In enterprise, users expect dependable, fast internet access for research, communication and collaboration.

Enterprise networks are under increasing pressure as employees and/or customers access bandwidth-intensive content:

- Online videos, audio files
- PDF documents
- Image-rich stock exchange sites
- Social networks
- News portals
- e-Learning training material
- Large multi-platform software updates

Whether a faster, more reliable service is needed, or support for more users, or simply a firmer grip on costs, organisations benefit from deploying web caches.

- Where bandwidth is scarce or expensive, web caches offer significant cost savings; payback is rapid and ROI very high.
- When high capacity is relatively inexpensive, caching helps deal with the inevitable pressure to support higher definition videos, richer social media content and slow software updates. Serving HTTP and HTTPS content locally frees up extra capacity - so high priority traffic is never impacted.

CACHEBOX is a range of purpose-built web cache appliances designed to lower bandwidth needs and speed up internet access. Customers in over 150 countries have chosen **CACHEBOX** because it delivers high performance caching, ease of use and outstanding value for money:

- A multinational pharmaceutical vendor provides employees with fast internet while avoiding expensive bandwidth
- A hotel chain increased its profit margins for guest internet access
- A large electrical equipment distributor delivers employee training videos, and controls website access 15 sites

- A Mediterranean cruise-ship operator improved passenger's user experience
- An international casino chain shows videos on 100s of slot machines at once with ease
- A remote mining camp operator provides better internet access to off-shift workers
- A retail chain has streamlined delivery of in-store advertising videos
- A multinational PC manufacturer now repairs devices and installs updates 10 times faster

BENEFITS

Improve user satisfaction

Serving web content locally from cache dramatically improves load times, often transforming the user experience. Enterprises can ensure employees have the internet access they need to remain productive, even at remote branch offices, with less time spent dealing with bandwidth related support issues.

Make better use of video

The growing use of video in the workplace and in retail outlets has overloaded networks. **CACHEBOX** lowers the amount of bandwidth consumed by popular sites like YouTube and

Vimeo. Video training materials or in-store advertising can be delivered with confidence - no slow downloads, no additional congestion.

Software updates without the pain

Enormous update files from Windows, Apple, Android etc., often swamp networks whenever they occur. **CACHEBOX** instantly takes that extra pressure off your internet connection,

Serve more users, at a lower cost

Using less bandwidth keeps costs low - no need to upgrade to a more expensive link or upgrade infrastructure. Hotels, retail outlets and internet cafes can provide fast profitable internet services to more customers.

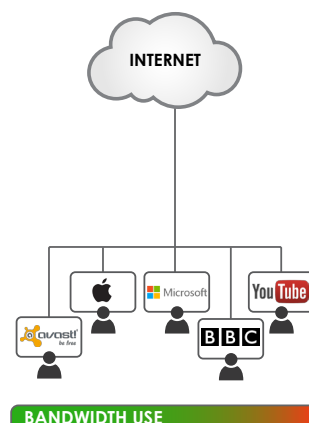
Control what your employees access

CACHEBOX works alongside third party content filters and lets you authenticate users against MS Active Directory via browser settings. If required, you can control the types of content that can be accessed by your employees.

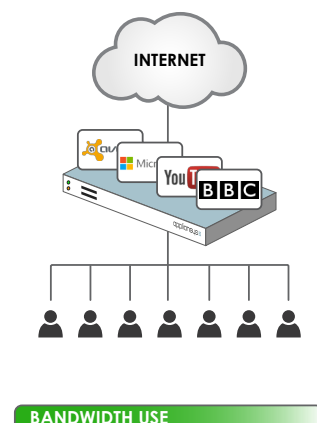
Easy to use, low TCO

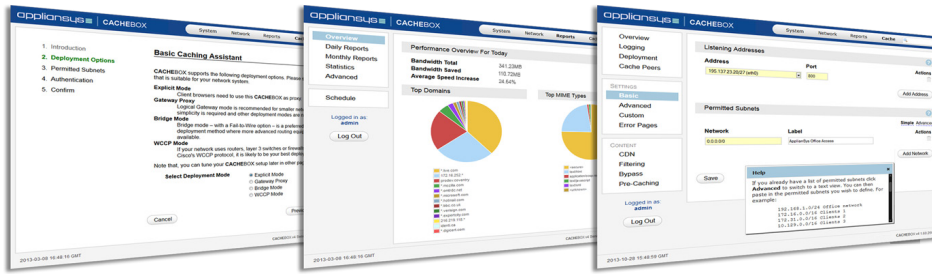
ApplianSys has designed **CACHEBOX** to be quick to deploy, simple to use and easy to maintain. What's more **CACHEBOX** is surprisingly affordable, but value is more than price.

Without CACHEBOX



With CACHEBOX





Configuration wizards, graphical reporting and online help

“Web pages that are very often accessed within the company download at an incredible speed. And if in doubt, we now have a control list of all visited websites.”

Edicions Bromera, Spain

One branch or many, big or small, there's a CACHEBOX solution for you

CACHEBOX050 and CACHEBOX100 series are best suited to small businesses or branch offices. They offer excellent performance at a low price point.

CACHEBOX230 and CACHEBOX310 use Solid State Drives (SSD), giving you higher performance. Depending on your type of traffic, the '230' can support more than 5,000 users per appliance at 250Mbps, with '310' supporting up to 10,000 users at 500Mbps. CACHEBOX420 can support more than 20,000 users per appliance, over a 1Gbps bandwidth link. Other vendors only offer this level of performance with bigger, more expensive devices.

In multi-branch companies, CACHEBOXes can be deployed as appropriate across individual offices and the network core. They can work together in sibling clusters in the core and in parent-child hierarchies to maximise bandwidth saving and internet performance.

In large deployments, CACHEBOX Management Console (CACHEBOXcmc) makes it easy to deploy and remotely manage multiple CACHEBOXes across networks. With CMC, a fleet of caches can be managed from a single interface, reducing the administrative workload, improving deployment quality and maximising control.

RANGE

	Usage	Form Factor	Performance* (HTTP Requests per second) / Throughput
CACHEBOX050	Small office	Small Form Factor Desktop Unit	400 / 40 Mbps
CACHEBOX110	Small office	19" 1U Rack-mountable	400 / 40 Mbps
CACHEBOX130	Small office	19" 1U Rack-mountable	500 / 60 Mbps
CACHEBOX210	SME / Branch office	19" 1U Rack-mountable	1,300 / 100 Mbps
CACHEBOX230	Medium enterprise	19" 1U Rack-mountable	2,500 / 250+ Mbps
CACHEBOX310	Large enterprise High throughput	19" 1U Rack-mountable	3,600 / 500+ Mbps
CACHEBOX420	Large network core High throughput	19" 2U Rack-mountable	6,000 / 1+ Gbps
CACHEBOX440	Large network core Multi-gigabit throughput	19" 2U Rack-mountable	20,000+ users 2.5+ Gbps
CACHEBOXcmc	Remote administration of up to 500 CACHEBOXes	19" 1U Rack-mountable	Not Applicable

Note: *Peak performance achieved under test conditions. Real life performance limits vary, depending on network and traffic characteristics

FEATURES

Save bandwidth, save money

- Enhanced HTTP and HTTPS caching software
- Video caching (YouTube, Metacafe, Vimeo, Dailymotion, Veoh etc)
- Software update caching (Windows, Apple, Android, Avast, Kaspersky etc)
- Off-peak pre-caching of content like foreign news/media portals
- Static storage - keep specific objects as long as you need them
- Intuitive Media Library - create a library of content accessible without internet access

Easy to manage

- Intuitive, secure web admin interface
- Setup and caching 'assistants'
- Configuration adapts to deployment mode
- On-box graphical reporting / scheduled reporting for monitoring caching and network performance
- Automated on-box/off-box backups
- Automated alerts, traffic threshold alarms
- Multilingual interface available in English, French, Spanish, Portuguese and Malay.
- Operating system runs from read-only Industrial CompactFlash
- SNMP support allows the box to be monitored by standard networking tools
- Custom ACLs support

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

Flexible deployment

- Supports multiple transparent and explicit deployment modes
- Reverse proxy for HTTPS sites
- Optional Fail-to-Wire resilience
- Clustering, load balancing, high availability and hierarchies
- WCCP Support (v.2, GRE and Layer 2)
- IP spoofing
- Firewall with NAT forwarding for networking flexibility
- iKVM remote access technology (depending on model)

“We're getting great bandwidth savings - 40% byte hit ratio and we saw around 80% during a recent round of Apple updates”

Aqib Korai, Network Manager, Liptinfor, Nigeria