



COMPLETE SOLUTION

BANDWIDTH SAVINGS

Highest bandwidth savings (BHR - Byte Hit Ratio) and bandwidth gain on the market. Supporting the most different content classes and including special optimizations for all popular services and sites.

BROWSING ACCELERATION

Small objects cached and served from high performance Solid State Disks (SSDs). This improves Internet browsing experience significantly.

CDN CACHING

Unique caching mechanism, highly accurate for arbitrary caching of videos and large rich media files from Content Delivery Networks (CDNs).

POWERFUL POLICIES

Define different policies for different groups of users. Use filtering based on user name, user group, IP address, destination IP, destination domain, destination URL, MIME type, regular expressions and time-of-day filtering to define fine grained policies.

Internet Management System



SINGLE UNIT WM-1U-16C

- ✓ Unlimited Concurrent Users
- ✓ 2 x 480GB log space (RAID 1)
- ✓ Redundant power supply
- ✓ Optional caching
- ✓ Optional authentication
- ✓ Optional anti-virus scanning
- ✓ Optional content filtering

Innovative Secure Web Gateway

- Full featured HTTP & FTP proxy
- Transparent or explicit deployment
- Powerful access control rules
- Access control based on users and user groups
- Custom Policies (Content Filtering)
- Advanced proxy hierarchies support:
 - ✓ Client IP
 - ✓ Authenticated user name
 - ✓ Round robin distribution
- Persistent connections to clients and servers
- Automatic alerts via SNMP or email
- Bandwidth management
- Embedded high performance stateful firewall

Authentication & Authorization

- User & Group-based Authentication:
 - ✓ LDAP
 - ✓ Digest LDAP - HTTP Digest auth LDAP backend
 - ✓ MS Active Directory with / without Single-Sign-On
- Supporting multiple auth backends at the same time

Real-time Web Content Filtering

- Local database and real-time cloud based ratings
- Over 100 predefined categories of Internet sites
- Realtime rating and analysis of threats
- Custom local policies

Dynamic Anti-Virus Scanning

- Unique high performance framework
- Multi-threaded implementation
- Compressed archive analysis

Bandwidth Optimization & Caching

- Optional full HTTP & FTP caching
- Same caching engine as in CacheMARA
- Own proprietary caching technology
- Video-On-Demand caching (Netflix,...)
- Partial object caching (HTTP range requests)
- Content Delivery Networks (Akamai, EdgeSuite,...)
 - ✓ Caches and de-duplicates content that comes from different CDN hosts
- Caching static & dynamic content:
 - ✓ Antivirus and software updates
 - ✓ Filehoster/Sharehoster/One-Click-Hoster
 - ✓ Games (EA, Playstation, Steam, Xbox,...)
 - ✓ OS updates (Apple, Linux, Windows, Mobile,...)
 - ✓ Videohoster (GoogleVideo, Youtube,...)
- HTTP-based live streaming:
 - ✓ HTTP Live Streaming (HLS)
 - ✓ HTTP Dynamic Steaming (HDS)
 - ✓ HTTP Smooth Streaming (HSS)
- High bandwidth savings because of multiple terabytes of cache storage for large objects
- Acceleration of browsing because of small object caching on high performance Solid State Disks.

Management & Reporting

- Innovative and intuitive Web GUI (Multilingual)
- Command line interface via serial console & ssh
- Appliance status and live monitoring
- Real-time and historical statistics by day, week,
 - ✓ System resources, network traffic, HTTP caching performance,...
- Comprehensive HTTP usage reports:
 - ✓ Top 1000 Sites, Top 1000 Users
- Flexible HTTP proxy logging facilities



Internet Management System

Product & Technical Specifications

ANTI-VIRUS SCANNING

Innovative integration allows fine grained control about which content to be scanned.

CONTENT FILTERING

Unique onbox integration of McAfee SmartFilter allow access control policies to use over 100 different categories of sites.

OPTIMAL PERFORMANCE

Highly integrated and application specific appliance hardware from one source for stability.

RELIABLE PLATFORM

Exceptionally optimized and hardened Linux platform, tailored for high availability, security and performance needs. System booting from read-only, compressed image. Purpose-built hardware.

SERVICES / SUPPORT

- Dedicated technical support
- Expert consulting
- Installation & configuration
- Maintenance updates
- Firmware upgrades
- Hardware warranty
- Product manuals & FAQs

Q4 2025	XS	S	WM-1U-04	WM-1U-08	WM-1U-12	WM-1U-16	
Max. # concurrent users	100	250	500	1000	2000	Unlimited	
Active TCP connections	15k	30k	60k	100k	200k	Unlimited	
RAM	16 GB	16 GB	32 GB ECC	64 GB ECC	96 GB ECC	128 GB ECC	
Redundant power supply	-	-	-	-	✓	✓	
HW remote management	-	-	✓	✓	✓	✓	
Disk hot swap	-	-	-	-	✓	✓	
Form factor rackmount	Software only		1U	1U	1U	1U	
Optional HTTP Caching	XS	S	WM-1U-04C	WM-1U-08C	WM-1U-12C	WM-1U-16C	
	Software only						
	HTTP request/s	600	1,250	2,500	4,000	8,000	12,000
	RAM	16 GB	16 GB	32 GB ECC	64 GB ECC	96 GB ECC	128 GB ECC
	NVMe space	240 GB	240 GB	480 GB	480 GB	2 x 480 GB	2 x 480 GB
	NVMe storage space	2 x 2 TB	2 x 2 TB	2 x 2 TB	2 x 4 TB	3 x 4 TB	4 x 4 TB
	Total log space	240 GB	240 GB	480 GB	480 GB	480 GB	480 GB
	Total cache space	2 TB	4 TB	4 TB	8 TB	12 TB	16 TB
Optional Authentication & Authorization (LDAP, AD...)							
	Max. # auth backends	-	1	1	2	4	Unlimited
Optional Anti-Virus	-	✓	✓	✓	✓	✓	
Optional Content Filtering	-	✓	✓	✓	✓	✓	
Optional Network Ports							
	1/10 Gbps RJ-45	-	-	✓	✓	✓	✓
	10/25/40 Gbps Fiber	-	-	-	-	✓	✓

Comprehensive Statistics and Reporting



MARIA #3 2019-02-KXL-1200
Important license information!

- Status
- Reporting
- Executive
- HTTP Usage
- Log Viewer
- System Setup
- Network Setup
- Groups & Objects
- Firewall
- HTTP
- Peer-to-Peer Caching
- Cluster Configuration
- DNS - Recursive Resolver

