



Overview

Convergence of Internet networking services and IT applications has become a key critical business imperative to increase productivity and lower operational expenditure (OPEX) while enhancing usability and the overall customer's Quality of Experience (QoE). In a converged world of communications, no longer organizations can afford to continue their reliance on single-service devices to compete and win in the 21st Century. Organizations require multi-service and multi-function networking appliances that enable alignment of business processes and communication services.



mBox™ Series

The mBox Series are multi-service, multi-function and multi-purpose Unified Communications Internet firewall appliances that deliver true convergence of data, voice, video and IT applications at the customer premise. The true value lies in their unique centralized remote provisioning eco-system responsible for the delivery of revenue-generating managed services, known as mRepublic™, combined with on-going management and support through Msona's state-of-the-art mCloud™ service delivery network.



mBox™ 2000-10B

The mBox 2000-10B pre-integrates a simple and modular solution to organizations' ICT needs including Broadband gateway, shared and secured Internet access, telephony, data backup, security, remote access, resource sharing, email, web servers, collaboration applications and network access control. Simply put once an mBox 2000-10B is installed, no additional hardware or software is required to set up a secure office network, establish Web presence, connect branch offices and protect company data.

mbox™ 2000

MULTI-SERVICE INTERNET FIREWALL APPLIANCE

All-in-one, multi-function,
versatile, secure Internet firewall
appliance with integrated
feature-rich, flexible and reliable
applications and managed
services for Large enterprises

Product Highlights

Entry-level firewall and multi-service Internet appliance. Aimed at small enterprises and organizations, the mBox 2000-10B provides a fully integrated computing and Broadband networking - including Firewall, Web, gateway, phone, email, network, print, security, storage, resource sharing, collaboration, network access control and a whole lot more - in one easy to deploy and use platform.

- QuickStart menu for fast-track setup in less than 1 minute!
- Embedded architecture offering small footprint
- Delivery point for mRepublic managed ICT services at customers' premise
- Support for a wide-range of connectivity options including Gigabit Ethernet, FTTx, WiFi, WiMAX & 3G/UMTS, Telephony, DSL
- Powered by Msona's robust and trusted Linux-based operating system, mOS
- Reduces carbon footprint by replacing up to eight standalone IT and communication devices

UNLOCKS FULL POTENTIAL OF TRUE CONVERGENCE BETWEEN NETWORKING, TELECOMMUNICATIONS AND IT

Features and Benefits



Share Internet Resources

Broadband Gateway

- DHCP
- NAT
- Static IP Routing

Through one unified and integrated appliance connected to the Internet via Broadband, all network users can quickly and easily share Internet connectivity. Network Address Translation (NAT) allows for sharing of Internet access and use of private IP addresses on the LAN.



Secure Internet Access

Security

- Firewall
- Intrusion Detection & Prevention

The network is protected from outside attacks with state-of-the-art firewall system working together with intelligent intrusion detection and protection system.



Internet Presence and Communication

Web & Networking

- Web Server
- Resource Sharing
- FTP Server
- LDAP Server

Provides all the necessary tools and applications to secure Internet presence, a key critical requirement to compete and win in the 21st Century. Local and remote users can securely access all network resources including storage devices, files and printers.



Unified Communications Infrastructure

Convergence of Voice and Data

- Full-featured PBX delivering many telephony features
- Support for wide range of terminals: Analog, ISDN, IP phones and softphones, wireless (Wi-Fi), and IP DECT
- Interface support for FXS, FXO, BRI

Provides a fully integrated enterprise-level voice services with professional call handling capabilities such as Automatic Call Distribution, hunt groups, auto attendant, digital receptionist, IVR, voicemail to E-mail forwarding and much more.

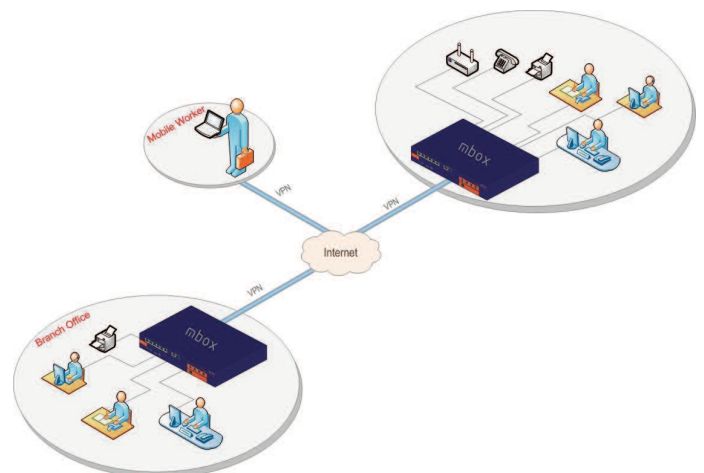


Round-the-clock Collaboration

Email & Groupware

- Integrates robust Email Server
- Microsoft Outlook®-compatible infrastructure
- Webmail access
- Email logging for Regulatory Compliance

Improves communications and productivity through a Microsoft Exchange®-like e-mail and groupware server experience. Users can seamlessly access emails and share calendars, contacts, tasks, folders, company news internally or remotely. In addition, Anti-Virus and Anti-Spam filtering is provided through subscription to mRepublic managed services.



“DELIVERY POINT” AT CUSTOMER PREMISE FOR OPEN, CUSTOMIZABLE, SECURE, MANAGED, MULTI-SERVICE AND CONVERGED ICT INFRASTRUCTURE



Eliminate Costly Interruptions to Business Operations

Business Continuity

- Back-up
- Anti-Virus
- Redundant Internet Connectivity
- Quick Recovery

Increases business uptime by guarding company's electronic assets safe, protecting resources, supporting resilient Internet connections from different ISPs and providing quick and seamless recovery procedure.



Quick Setup and Management

Intuitive Web Management GUI

No technical skills are needed to quickly set-up the mBox system via Web-based QuickStart tool and configuration menus.



Ease of Use and Administration

Radical Simplicity

Quick deployment and management of ICT infrastructure including Broadband connection, email & web servers, security and resource sharing for maximum productivity and efficiency.



Location-Independent Secure Network Access

Secure Remote Connectivity (VPN)

- Remote Access for mobile users
- Office-to-Office Connection

Users on the move and in branch offices can securely gain access to network resources, exchange information and share access to organization's ICT infrastructure.



Seamless Integration with Windows® Environment

Windows® Workgroups & Domains Support

Transparent connectivity with Microsoft Windows® networks for sharing files and network resources with full support for Workgroups and Domains.



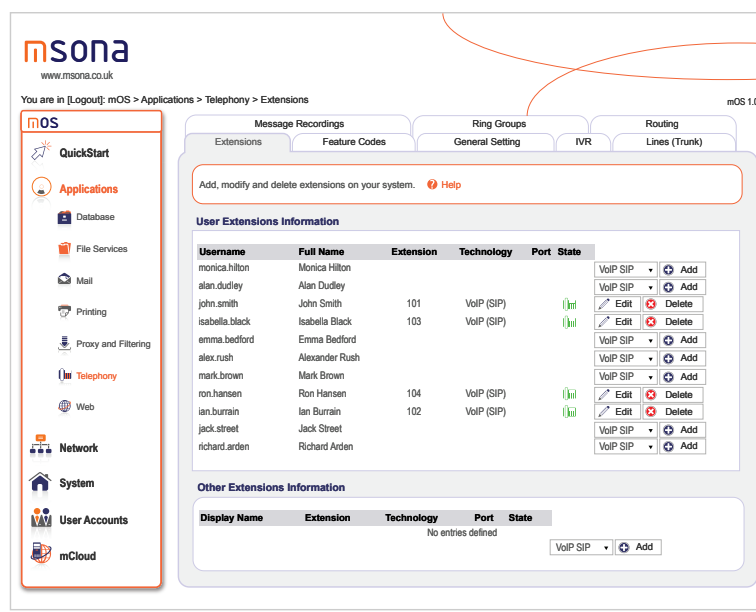
Eliminate Cyberslacking & Enhance Quality of Experience (QoE)

Productivity & Responsiveness

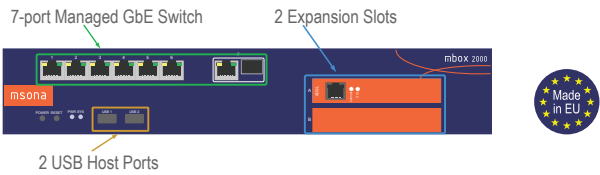
- Web Proxy Server
- Content Filtering & Caching
- Single sign-on

Users are connected to the Internet with total control and security while reducing bandwidth usage and speeding up web browsing. Content filtering enforces Web usage policies and Caching improves response time and performance. Single sign-on gives users access to all resources and services - without being prompted to log in again - for better overall QoE of their ICT infrastructure.

Simple, intuitive
and easy-to-use
Web-based GUI
for seamless and
straight-forward
configuration and
management



Hardware Specifications



Bundle Configuration:
mBox 2000-10B Multi-service Internet Appliance

Description	Entry-level Enterprise Stateful Inspection Firewall with VPN support (PPTP, IPSec, OpenVPN)
Network	ADSL, Metro Ethernet and 3G Internet Connections support 7-port Gigabit Managed Switch (6 x 10/100/1000 RJ-45 ports, 1 Combo UTP/SFP port), 1-port ADSL/ADSL2+, 2xUSB ports for 3G connection and addition of external storage.
Security & Threat Management	Web Content Filtering, Intrusion Detection/Prevention, Peer-to-Peer Traffic Blocking, DoS Prevention & Service Assurance
Storage	Integrated 250GB Enterprise-class Hard Disk
Internal Expansion Modules	Slot 1: ADSL/ADSL2+ Slot 2: empty
Additional Applications	Ready for IP Telephony, VoIP, Email and Web server support.
Mounting Kit	19" Rack/Wall-mounting Kit

Device Characteristics

CPU	VIA 1.5GHZ, 128KB CACHE (single core)	
Encryption Co-Processor	Yes - High-performance AES encryption engine for VPN @ 800Mbps	
Memory	1 GB	
Backplane Capacity	14 Gbps	
Forwarding Rate	88 Mbps	
Supported Protocols	TCP/IP, DHCP, NAT, SIP, DNS, IMAP(S)/POP3(S), IPSec, OpenVPN, PPTP, HTTP(S), FTP(S), SSL, GRE	
Management	Graphical User Interface (mOS) and central management for distributed mBox deployment (mCloud)	
Power Supply	Internal AC/DC adapter Max Power Consumption	AC, 100-240V, 50-60Hz 90W (40W Typical Power Consumption)
Environmental	Operating Temperature Operating Humidity Storage Temperature Storage Humidity	Min 0°C, Max 40°C Max 80%, Relative, Non-condensing Max -20°C, Max 70°C Max 95%, Relative, Non-condensing
Physical	Mounting Options Dimensions Weight	Desktop, Rack and Wall 66H mm (1.5U), 350W mm, 280D mm 5.5 kg
Approval & Certifications	Safety Emission Immunity	EN60950 EN55022 Class B EN55024 Class B
EC Community Design	European Community Design No. 001025225-0001/2/3/4/5/6	

Ordering Information

100-00100-0 mBox 2000-10B Multi-service Internet Appliance