

i-MO 540 Series *Bonding Router*

OptiBond™



Advanced Bandwidth Technologies

Connectivity wherever & whenever you need it...

The i-MO 540 multichannel router appliance is ideal for providing all the communication and storage requirements for small or medium branch offices or temporary locations. In addition to providing a highly resilient high performance connection to the internet or corporate LAN, the i-MO 540 can optionally be upgraded with:

- ◆ VOIP PABX to provide all the voice telephone services
- ◆ 2 x 750GB hard drives and optional NAS software module to provide shared folders and file storage

As standard the appliance is equipped with 6 x GBit Ethernet ports which can individually be configured as WAN or LAN ports.

Optionally the appliance can be upgraded with up to 3 x LTE (4G) or UMTS (3G) cellular modems and up to 6 x network SIMs. If equipped with more SIMs than cellular modems the intelligent i-MO firmware will select the SIM to use based upon network availability or bandwidth allowance.

The appliance can also be upgraded with:

- ◆ 4 x 10/100 Fast Ethernet ports giving a total of 10 Ethernet ports that can individually be configured as WAN or LAN ports
- ◆ Up to 2 x High Performance ADSL Interfaces
- ◆ WiFi access point (802.11 b/g/n)

The Administrative Web Interface easily allows the appliance to be configured for link-failover (e.g. from WAN to cellular) in addition to link aggregation to increase performance.

Software Features

i-MO 540 Series	
i-MO Firmware with	Bandwidth Aggregation Cellular SIM management Intelligent Failover Session Persistence
WAN	DHCP Client Static IP WAN Link Health Check
LAN	Multiple LAN subnets supported DHCP Server DHCP Reservation
VPN	Up to 5 concurrent VPN Tunnels (incoming and outgoing) IPSEC Site-to-Site mode Ciphers: AES and 3DES Hashes: MD5 and SHA1 Pre-shared Key NAT-Traversal Dead Peer Detection
Firewall	Stateful firewall Multiple zones: WAN, DMZ, LAN Multi NAT IP Forwarding Port Forwarding
Advanced QOS	Bandwidth Reservation Application Prioritization
Device Management	Web Administrative Interface Export / Import Configuration



i-MO 540 Series Bonding Router



Technical Specifications	540
Format	2U Rack Mountable / Desktop
Dimensions (WxHxD)	435 x 242 x 92 mm
Weight	4.5 Kg
Mounting	Rack mount option
Status	Intelligent LCD status panel
Embedded Modems	3 x internal slots for LTE/UMTS modules
Cellular Data SIMS	6
Antenna Connectors	5 x SMA
LAN / WAN Interface	6 Gigabit Ethernet ports that individually configurable for WAN or LAN function. LAN ports can be bridged together to act as a switch.
Management Port	RS232 serial console
Power Input	100V - 240V AC, 50-60 Hz
Power Supply	External AC Adapter 100V – 240V / DC Output 12V 5A
Max Power Consumption	50W
Operating Temperature	0°C to ~45°C
Storage	-20°C to +60°C
Humidity	0% to 80% (non-condensing)
CPU	Intel Atom D525 1.8GHz Dual Core 1M cache
Memory	1GB DDR3 1333MHz
Storage	up to 128GB internal flash storage
Expansion	4 Fast Ethernet Ports - individually configurable for WAN or LAN function Up to 2 x 750GB HD Up to 2 x High Performance ADSL Interfaces G.992.1 (G.DMT), G.992.2 (G. Lite) & G.992 Annex A (ADSL over POTS)
WiFi WLAN Access Point	802.11 b/g/n
Operating Frequency	2.412 ~ 2.472GHz, 2.484GHz
Max Power Output	17dbm ± 2dbm

Features

Software

i-MO Firmware with:
OptiBond Advanced Bandwidth Technology
Cellular SIM management
Intelligent Failover
Session Persistence

Device Management

Web Administrative Interface
Export / Import Configuration
Command Line Interface

WAN

DHCP Client
Static IP
WAN Link Health Check

LAN

Multiple LAN subnets supported
DHCP Server
DHCP Reservation
DNS Server

WLAN

802.11 b/g/n Access Point

VPN

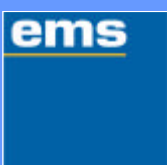
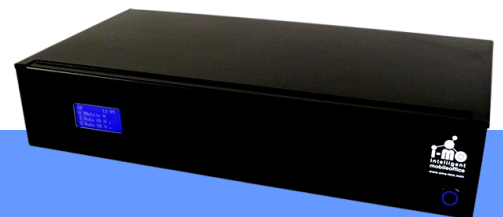
Up to 5 concurrent VPN Tunnels (incoming and outgoing)
IPsec VPN
Site-to-Site mode
Ciphers: AES and 3DES
Hashes: MD5 and SHA1
Pre-shared Key
NAT-Traversal
Dead Peer Detection

Firewall

Stateful firewall with support for PPTP, FTP, SIP, H.323
Multiple zones: WAN, DMZ, LAN
Multi NAT
IP Forwarding
Port Forwarding

Advanced QoS

Bandwidth Reservation
Application Prioritization



UK Head Office:

Electronic Media Services Ltd
Passfield Business Centre,
Lynchborough Road, Liphook,
Hampshire, GU30 7SB
Tel: +44 (0)1428 751655
Fax: +44 (0)1428 751654
e-mail: imo@ems-uk.com

SE Asia Distributor:

Beyond Network Infotech
19 Kim Keat Road,
#06-01/02 Fu Tsu Building
Singapore 328804
Tel: +65 6737 0321
e-mail: sales@bninfotech.com.sg

