

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	Static IP WAN Link Health Check
LAN	Multiple LAN subnets supported DHCP Server DHCP Reservation
VPN	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
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

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

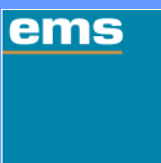
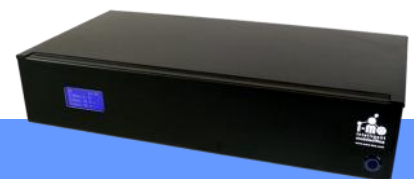
Up to 5 concurrent VPN Tunnels
(incoming and outgoing)
IPsec VPN
Site-to-Site mode
Ciphers: AES and 3DES
Hashes: MD5 and SHA1
Pre-shared Key
NAT-Traversal
Dead Peer Detection

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



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