

i-MO 250 Series WAN Bonding Router

OptiBond™



Advanced Bandwidth Technologies

Network Resilience ~ high bandwidth connectivity wherever & whenever you need it...

The i-MO 250 series WAN load-balancing and bonding router is ideal for quickly providing offices, factories, warehouses, events & exhibitions with a highly resilient, high speed connection to the Internet.

With one internal 5G compatible cellular modem and up to five WAN Ports available, the appliance can be configured for failover, load-balancing or bonding to increase reliability and available bandwidth. Bond or load balance multiple satellite (e.g. Starlink™) services, fixed line & cellular connections.

As businesses move to Cloud based applications the reliability and speed of Internet connectivity is business-critical. i-MO enables organisations to seamlessly add extra capacity whilst reducing WAN total cost of ownership.

The i-MO 250 with our unique OptiBond software is ideally suited to providing high speed Broadband for larger numbers of users in diverse environments.

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

The appliance is powered from a single 12V power supply. This can either be provided by the included external AC adapter (100–240V, 50-60Hz) or alternatively it can be powered from a standard 12V DC supply. PoE is also supported.

The i-MO 250 is supplied in an aluminium case with fan cooling and has superior heat dissipation, EMC & dust resistance characteristics.

Software Features

i-MO 250 Series	
i-MO Firmware with	Bandwidth Aggregation Load Balancing 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
Firewall	Stateful firewall Multiple zones: WAN, DMZ, LAN Multi NAT IP Forwarding Port Forwarding
Device Management	Web Administrative Interface Export / Import Configuration Command Line Interface



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Technical Specifications	250
Format	Mobile / Desktop
Dimensions (WxHxD)	186 x 66 x 126.5 mm
Weight	1800 grams
Status	Power LED
USB	3 x USB 3.1 & 3 x USB 2.0
Cellular Data Connectivity	1 x 5G Modems
Antenna Connectors	8 x SMA
LAN / WAN Interface	6 x 2.5 Gigabit Ethernet (Max 5 x WAN)
Power Input	12VDC +/- 5% / PoE 802.3af
Power Supply	External AC Adapter 110 - 220 VAC (47 - 63Hz)
Max Power Consumption	Estimated power consumption : 30W (Wifi + 5G)
Operating Temperature	-20°C to +50°C
Storage	Room Temperature
Humidity	10% to 90% (non-condensing)
CPU	Intel® i5 1235u
Memory	8 GB
Storage	SSD 256 GB

Features

Software

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

Device Management

Web Administrative Interface
Export / Import Configuration
Command Line Interface

WAN

Static IP
WAN Link Health Check

LAN

Multiple LAN subnets supported
DHCP Server
DHCP Reservation
DNS Server

WLAN

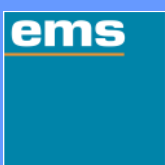
Wifi 6 802.11 AX

VPN

IPsec VPN
Site-to-Site mode
Ciphers: AES and 3DES
Hashes: MD5 and SHA1
Pre-shared Key
NAT-Traversal

Firewall

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



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