i-MO 200, 310 & 540 Series
Bonding Routers

Feature	200	310	540
Embedded 4G LTE modems	Option - up to 2	Option - up to 3	Option - up to 3
Ethernet WAN/LAN *	2	6	6
Ethernet WAN/LAN add-on	No	No	4
Mobile data network SIMS	2	6 **	6 **
802.11 b/g/n Wi-Fi WAN	Yes	Yes	Yes
Integrated GPS function	Option	Option	Option
Integrated storage	No	No	Option 250/750GB HD
ADSL ports	Option - up to 2	No	Option - up to 2
Protective flight case	No	No	Option
Aerials 4G LTE / 3G with 5m cable	Option - up to 2	Option - up to 3	Option - up to 3
CIFS / Windows share ***	No	No	Option
Voice PABX ****	No	Option	Option
CCTV module *****	No	No	Option

* Ports can be separately configured as WAN or LAN   ** Install up to six SIMS. Best three connections are bonded

*** LDAP Authentication & Samba file server. 20 user licence   **** Supports DDI numbers, hunt groups, call hold/transfer, conferencing & voicemail

***** IP CCTV with multiple alarm zones, pan, tilt, zoom IP cameras, event notification by SMS or e-mail etc.
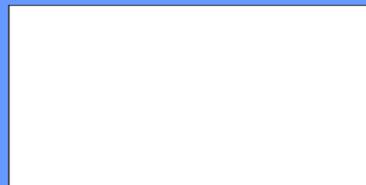
Features

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

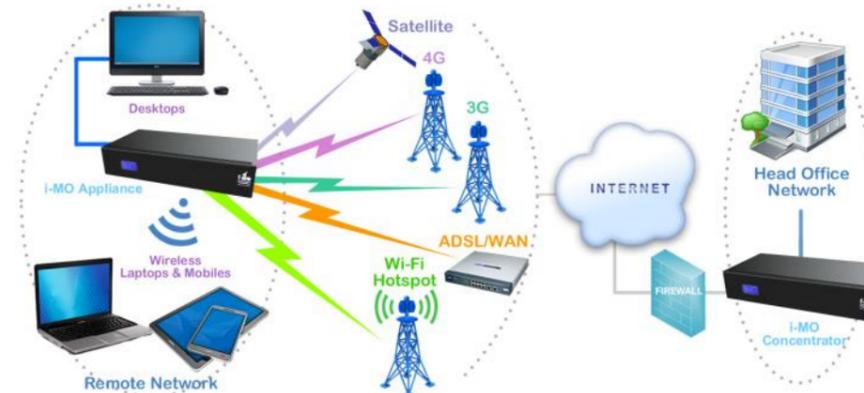# i-MO 200, 310 & 540 Series Bonding Routers

OptiBond™

Advanced Bandwidth Technologies

Connectivity wherever & whenever you need it...

Whether at your office, at a temporary or remote location, or out and about in a vehicle you need fast reliable access to the internet in order to get your job done. i-MO delivers instant, secure connectivity where traditional connections are absent, have failed or simply don't deliver performance and reliability you can count on.

Bonds multiple connections:

i-MO allows you to combine or bond wired and wireless services as you need them. i-MO can bond up to three 3G / 4G connections (with support for up to six mobile data networks) plus as many as four WAN connections for unrivalled speed and uptime. Configure any of up to 10 Ethernet ports as WAN ports in order to add other bearers e.g. satellite.

Bonds intelligently:

The i-MO bonding algorithm automatically distributes traffic across available connections and manages these to achieve optimal performance, equalisation of data consumption, etc. i-MO units can be populated with up to six mobile data network SIMS with dynamic selection of the three best available 3G / 4G connections. Also offered is the facility for automatic failover between primary (e.g. DSL) and secondary (e.g. wireless) connections.

Bonds as you like it:

i-MO uses an end-to-end tunnelling protocol to aggregate bandwidth. Assembling and managing data across multiple bearers requires a suitable Appliance at either end of the link. With i-MO you have the option of using our proven vendor delivered Managed Service (no equipment required other than at the site where connectivity is required) or, alternatively, deploy our Virtual Concentrator in a maintained environment (e.g. your Data Centre) and deliver your own bonding services .

4G LTE compatibility built in:

Up to three latest-generation cellular modems can be embedded in the new i-MO Appliance. These support cellular mobile data networks which comply with 4G LTE, HSPA+, HSDPA, 3G, EDGE and GPRS standards.

Key Features

- ★ "Power On" simplicity
- ★ Intelligent aggregation of multiple wired and wireless bearers for maximum performance & resilience. Connect to 4G, 3G, DSL, WiFi, satellite etc.
- ★ Automatic failover / failback between wired and wireless connections
- ★ Up to three 4G LTE modems can be embedded with the facility to select from up to six mobile data network SIMS
- ★ Secure VPN from appliance to Head Office
- ★ Secure WiFi or Ethernet access for users
- ★ Options include File Share, VoIP PABX & IP CCTV
- ★ i-MO units can be provided either as a Managed Service or, alternatively, deploy our Virtual Concentrator in a maintained environment (e.g. your Data Centre) and deliver your own bonding services

OptiBond™
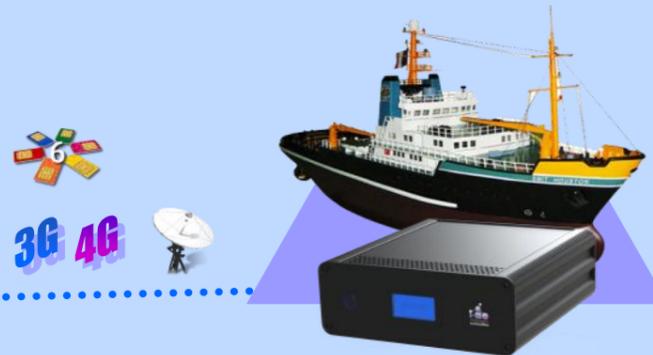#### Advanced Bandwidth Technologies

Branch / Small Office

The all-in-one i-MO appliance is a feature rich easy to manage solution that can provided all the data communications, telecom and data storage needs of a small or branch office. Up to four WAN or ADSL links can be aggregated by our unique OptiBond technology to create a single hyper fast and resilient data circuit. The i-MO-SIP is a full-featured Voice over IP (VoIP) telephone system that can provide all the voice and telephone needs of a branch office.

WAN
3G 4G

Marine

The unique OptiRoute technology can utilise a Satellite connection when at sea, but switch to 3G / 4G in port or near the coast to reduce cost and improve performance.

3G 4G

Temporary Locations

The i-MO appliance supports up to three high speed 3G or 4G cellular data connections. Our unique OptiBond technology combines these three independent connections into a single, super fast and resilient data circuit. The appliance can be fitted with up to six SIMs with the 3 best data networks being bonded using our OptiSim technology.

3G 4G
WAN

Machine 2 Machine

The i-MO appliance supports up to three high speed 3G or 4G cellular data connections. Our unique OptiBond technology combines these three independent connections into a single, super fast and resilient data circuit, which is ideal for streaming video data or for monitoring locations where live real-time feeds are required.

6
3G 4G

Public WiFi

The optional 802.11 b/g/n WiFi access point can be used to provide public WiFi access at temporary locations or in public transport vehicles. The appliance can be fitted with up to six SIMs with the 3 best data networks being bonded using our OptiSim technology.

WiFi
3G 4G
WiFi ZONE

OptiBond™
Advanced Bandwidth Technologies

Broadcasting

The unique OptiBond technology allows up to four WAN links and three cellular circuits to be aggregated into a resilient high speed data circuit for up-linking live or pre-recorded video broadcasts or stream live video for public events.

6
3G 4G

POS / Retail

i-MO can provide highly resilient data connectivity so that you are never offline and unable to complete transactions. At fixed locations you can configure an ADSL or WAN circuit as the primary link and in the event of a failure our OptiRoute technology can seamlessly switch over to a backup 3G / 4G (LTE) connection.

ADSL
3G 4G

Mobile

The i-MO appliance supports up to three high speed 3G or 4G cellular data connections. Our unique OptiBond technology combines these three independent connections into a single, super fast and resilient data circuit. The appliance can be fitted with up to six SIMs with the 3 best data networks being bonded using our OptiSim technology.

6
3G 4G

3G Provides an information transfer rate of at least 200 kbit/s. Many services advertised as 3G provide higher speed.

4G The **i-MO-LTE** module features data speeds up to 100Mbps downlink and 50Mbps uplink.

6 Using **OptiSim**™ technology, up to three 4G LTE modems can select from up to six mobile data network SIMS.

i-MO-SIP is a full-featured VoIP telephone system that can provide voice and telephone needs of a branch office.

ADSL Use **OptiRoute**™ resilience technology for failover from ADSL or WAN to a backup 4G (LTE) connection.

WiFi Can be used to provide public WiFi access. Supports up to three high speed 3G or 4G data connections.

File replication options provide data backup and protection for business-critical data.