



Secure, Resilient, Bonded Communications

OMNI-ROUTE MINI

Omni-Route Mini is small and very portable.

It is geared to the requirements of busy professionals who require secure, reliable and resilient connectivity where communications are challenging.

Omni-Route Mini uses a single 3G/4G/LTE modem router with 2 SIMs. Users in and around urban environments will find that its high-gain antennas provide a powerful WiFi hotspot, reduce blackspots and deliver greater resilience for the users' smart devices to access emails, VoIP, Internet access and e-messages.



Black Omni-Route Mini

The Omni-Route Mini has these core features:

- Advanced MiMo antennas for enhanced cellular connectivity
- A powerful WiFi hotspot using the high gain WiFi antenna allowing multiple, secure connections for peripheral devices, at up to 100 metres (WiFi LAN).
- Connections to the internet via cellular networks, or:
- The proprietary TWL VPN using Omni-Hub.Net providing local or remote access to a range of software servers, including TWL's Crossfire video management servers, with Apps to allow remote viewing via any Omni-Hub.Net connected device or via an IPSec link to TWL's central hub.
- A single  modem router with 2 SIM slots.
- Built in GPS to allow device tracking.
- An 8 Ah battery, to give up to 12-hours operation.
- In-car and mains chargers are supplied that enable the unit to be charged in use.
- A rugged polymer case, in a range of colours.
 - Exterior dimensions 259 x 201 x 114 mm (L10.2" x W7.9" x H4.5")
 - The footprint is smaller than an A4 sheet of paper.
 - Total weight 2.1 kgms (4.6 lbs.), most of which is battery weight.

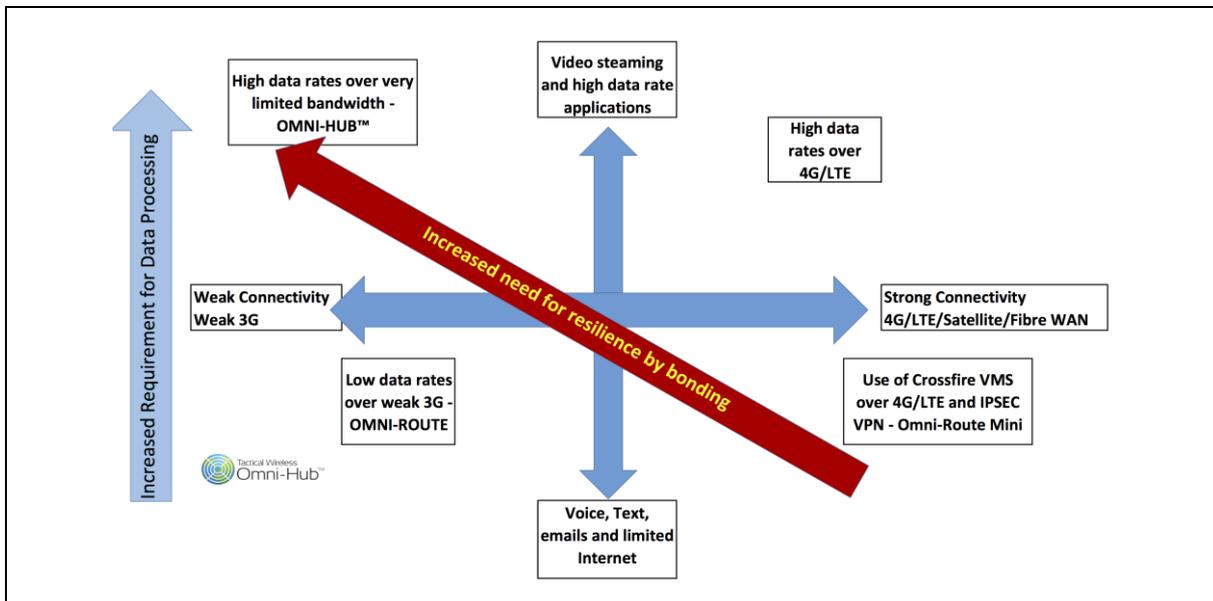
Options available for Omni-Route Mini include:

- M2M telemetry via RS-232 serial port adapter – requires a larger case for internal fit.
- An optional WiFi WAN capability.
- Case colour

TWL's solutions are designed to meet customer needs, based on a wide range of possible operating and operational scenarios. In remote and poorly-connected areas, the 2 primary considerations are: what are the available connectivity and what is the customer requirement in terms of data handling? **In all cases, the outcome is secure resilient communications where connectivity is weak and/or unreliable.**



The chart below summarises the various connectivity situations which should be considered when assessing solutions for effective communications.



Omni-Route Mini is designed to operate in the bottom right-hand quadrant – where connectivity is generally available but is unreliable – Omni-Route Mini increases communications resilience and enables users’ smart devices to operate more effectively.

Omni-Route Mini has the following primary technical specifications:

	WAN interface	1 x 10/100M Ethernet port 1 x Embedded LTE modem with redundant SIM slot
	LAN interface	1 X 10/100m Ethernet port
	WiFi interface	802.1b/g/n WiFi WAN or AP
	Router Throughput	100 Mbps
	LTE throughput	See ordering information
	Recommended users	1 – 60
	Cellular and GPS antenna connector	2 x SMA antenna connectors 1 x SMA GPS antenna connector 1 x WiFi connector
	Power input	DC jack/terminal block: 12v – 28v DC Passive PoE input (WAN port, 12v – 28v DC)
	Power consumption	12 watts (Max)
	Dimensions	105 x 110 x 30 mm 4.1 x 4.3 x 1.2 inches
	Weight	244 gms 0.54 lb
	Operating Temperature	-40° - 65° C -40° - 149° F
	Humidity	15% - 95% (non-condensing)
	Certifications	FCC, CE, RoHS EN 61000: electromagnetic Compatibility
	Warranty	1 year limited warranty

TWL’s award winning technology, Omni-Hub™, combines intelligent routing, to use all available bandwidth simultaneously, with audio, video and data processing to minimise bandwidth requirements. TWL’s products operate over a secure, private network, Omni-Hub.Net.