RAPIDlink RL10 4G LTE Router
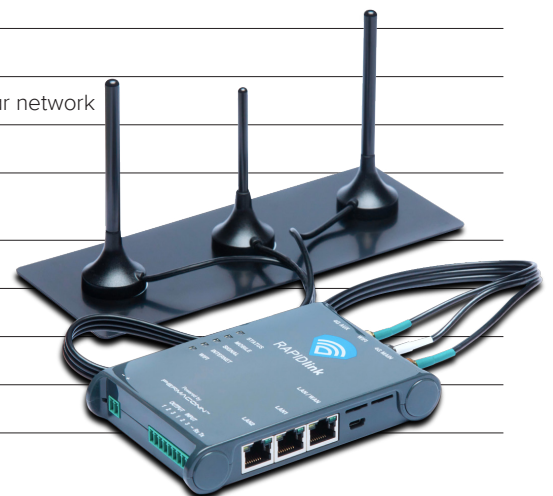## RL10

Hardware

Standards and Protocols	IEEE 802.11b/g/n
Interface	10/100Mbps
Antennas	2x Cellular 4G (MIMO) 1 x 2.4Ghz WiFi Dual-band Detachable antennas
Antennas Cords	3 x 640mm with SMA Connectors
Network Media	1x 10/100 WAN/LAN port 2x 10/100 LAN ports
Flash	32MB
DRAM	DDR2 128MB
Surge Protection	1.5A internal resettable fuse
Dimensions (H x D x W)	Router: Dimensions 110mm (h) x 25mm (d) x 80mm (w) Antenna + Magnetic Mounting Board: 121mm (h) x 80mm (d) x 110mm (w) Antenna Cellular 4G: 110mm(h) x 26mm(w) x 26mm (d) Antenna WiFi: 80mm (h) x 26mm (w) x 26mm (d) Magnetic Mounting Board: 1mm (h) x 80mm (d) x 100mm (w)
Weight	Router: 180g Antennas + Magnetic Mounting Board: 140g
Mounting	2x (20mm x 2mm) magnets within the device, Desktop, Wall mounting DIN Mounting (Sold Separately)
Button	Reset button (the provided Flat head Green Screwdriver fits to purpose)
Dual SIM	Pre provisioned with SIMS from 2 different carriers

Power

Consumption Idle	0.12A @13.8V DC
Transmitting	0.35A @ 13.8V DC
Max Power Consumption	1.5W (average) with connection open on cellular network
Supply	10 – 15V DC Power Adaptor

Ethernet

Ports	3 x RJ-45 ports
Physical layer	10/100 Base-T
Data Rate	10/100 Mbps
Interface	Auto MDI/MDIX

Frequency

4G LTE-FDD	Frequency B1(2100MHz), B2(1900MHz), B3(1800MHz), B4(1700MHz) B5(850MHz), B7(2600MHz), B8(900MHz), B28(700MHz) Bandwidth Max 150Mbps (DL) Max 50Mbps (UL)
3G HSPA+ (Fallback only)	Frequency B1(2100MHz) B5(850MHz) B8(900MHz) Bandwidth Max 42Mbps (DL) Max 5.76Mbps (UL)

Auxilliary

Input	3 x Inputs, state change detected every second, EOL 3.3K
Output	3 x Open Collector outputs @ 50mA (max). Function control using RAPIDlink web portal, mobile app and RESTAPI.

Network

Routing	IP pass-through; NAT, IP Port Forwarding; DHCP; DNS Client and Server.
Failover	Automatic failover/ failback from IP (WAN) to 4G
Firewall	Advanced firewall configuration

VPN

OpenVPN	OpenVPN Client v2.5.3, compatible with the Permaconn managed VPN service and 3rd party OpenVPN servers
VPN capabilities	Self Service Certificates can be created and applied in the RAPIDlink portal All clients are assigned private static IPs AES256 encryption by default (can be changed on request) IP forwarding to a LAN connected device VPN port forwards allow multiple LAN connected devices to be accessed from the VPN

Firmware

Update	Over the air.
Keep settings	Update firmware without losing current configuration.

Device

Management	Remote configuration (include email and push notifications) via RAPIDlink web portal.
App	Available to download at App Store and Google Play iOS 12.0+ Android 6.0+
System Requirements	Web Minimum Requirements Chrome: current major version minus two Firefox: current major version minus two Edge: current major version minus two Safari: current major version Note: A RAPIDlink Account is required to complete device activation. Register at www.rapidlink.com
SIM Data Management	Select plans and managed as auto topups.

Software

Operating System	OpenWrt based Linux OS
Integrations	RESTAPI

Others

Certification	RoHS, RCM and ISO 27001
What's In The Box	RAPIDlink RL10 router, Three core antenna set (2 x 4G and 1 x Wi-Fi), Euro Style Terminal Plug (1 x 2 Pin and 1 x 9 Pin), 3 x 3.3kΩ "end-of line" resistors for use with input monitoring, Flat head Green screwdriver, 1 x metal ground plate (1mm(h) x 200mm x 80mm), Quick Installation Guide
Environment	Operating Temperature: 0-50 'C Operating Humidity: 15% to 85% non- condensing
Ownership	Australian owned and managed.

For support, please call 1300 55 66 43 to chat to our friendly Australian based support crew or email sales@rapidlink.com

RAPIDlink
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