



## SolidNet Radio Gateway

The SolidNet Radio Gateway brings you the most advanced LTE, DMR and cellular Network Radio device in the world, and offers:

- Up to four external DMR or Analogue Radios
- Optional Internal DMR or Analogue Radio
- Phono & 3.5mm jacks for ext. speaker and PA
- Secure Push-to-Talk over Cellular gateway
- Dual-SIM failover, with dual-SIM standby
- Cat4 LTE
- Dual Ethernet ports
- 2.4GHz and 5.8GHz WiFi & Bluetooth 4.2

Configuration of the Radio Gateway is managed simply from your Android smartphone wirelessly via Bluetooth, or via the on-board web interface. Front panel lights show the full status of your network and devices at a glance.

The rear of the Router offers 1 USB 2.0 port, two Ethernet ports, 4 Radio Ports, an external 15W passive 3.5mm mono speaker jack, a PA jack for emergency broadcasts, 4 SMA connections and a BNC connection for an external UHF or VHF antenna when an internal DMR or Analogue radio is installed. Firmware upgrades can be installed simply by holding the blue button for 5 seconds to begin the update. The Router supports voltages between 9 - 24V.



# Technical Specifications



General			
Power Supply	9 - 24V DC 4A maximum	SIM Type	Dual Nano SIM (1.8v or 2.95v)
Operating Temperature	0 - 45°C / 32 - 113°F	USB Ports	1 x USB 2.0 Type B (1A Max)
Operating Humidity	5-90% non-condensing	LAN/WAN	2 x RJ-45 1000BASE-T
Dimensions	240mm x 150mm x 90mm (with feet)	LTE SMA	2 x SMA Male
Weight	1.8kg	WiFi SMA	2 x RP-SMA Female

System	
Operating System	OpenWRT 19.07 + SolidOS
Network	<p>4G Bands</p> <p><b>EMEA (Inc. Korea, Thailand &amp; India) Variant:</b> LTE-FDD: B1, B3, B5, B7, B8, B20 LTE-TDD: B38, B40, B41</p> <p><b>Australia/Taiwan/Brazil Variant:</b> LTE FDD: B1, B3, B5, B7, B8, B28 LTE TDD: B40</p> <p><b>US Variant:</b> LTE-FDD: B2, B4, B5, B7, B12, B13, B25, B26 Other country options available.</p>
	<p>2G/3G Bands DC-HSDPA HSUPA WCDAM</p> <p><b>EMEA (Inc. Korea, Thailand &amp; India) Variant:</b> WCDMA: B1, B5, B8 GSM: 850, 900, 1800, 1900MHz</p> <p><b>Australia/Taiwan/Brazil Variant:</b> WCDMA: B1, B2, B5, B8 GSM: 850, 900, 1800, 1900MHz</p> <p><b>US Variant:</b> WCDMA: B1, B2, B4, B5, B8 GSM: 850, 1900MHz</p>
WiFi	2.4GHz 802.11 a/b/g/n 5.8GHz 802.11 a/b/g/n
Bluetooth	2.1+EDR, 3.0, 4.1, 4.2LE
Cellular	CAT4, Rx Diversity DL MIMO 2 x 2, 150Mbps DL / 50Mbps UL
RAM / Storage	1GB RAM LPDDR3, 8GB Flash
Internal DMR Radio (optional)	<p>UHF: 400-470MHz (1W/5W Output) VHF: 136-174MHz (1/10W Output) DMR Standard: Tier II (ETSI TS 102 361) Channels: 32 Vocoder: AMBE3000/AMBE++ Intermodulation: 60dB S/N Ratio: 40dB Spurious: -36dB</p>

