Technical Specification

MR·NET
Multi-Network Router
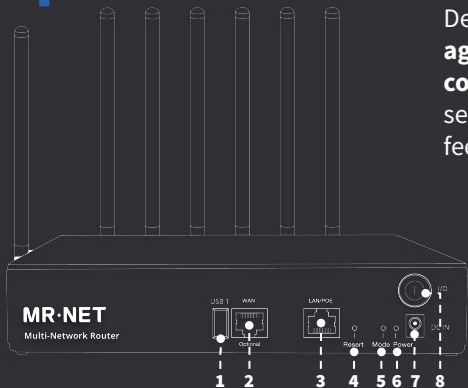

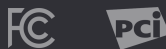## MR·NET IoT Cellular Bonding Gateway

Designed **to provide a simultaneous aggregated (bonded) network connection** to an endpoint via several independent wired / wireless feeds.

1. USB port #1
2. WAN port (RJ45)
3. LAN/POE port (RJ45)
4. Reset button
5. LED indicator mode
6. LED indicator power
7. Power DC, 12-24V, 1A
8. On / Off switch button

9. 6 x SMA-F connectors for external LTE antennas
10. USB port #2
11. SIM slots
12. USB port #3 (for external Wi-Fi USB dongle)
13. RP-SMA-F connectors for external Wi-Fi antennas
14. Grounding

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3 LTE	1 WAN	2.4/5 GHz
Up to three independent LTE connections	External WAN 100BASE-T DSL / Ethernet connections	Wi-Fi IEEE 802.11.b/g/n/a 2.4GHz / 5GHz bands

Have a question?

✉ support@mrnet.us
🌐 mrnet.us
📞 +1(845) 666-0696

Specification:

LTE support:
- 3 LTE-A cat4 modems (Quectel ec25-af)

Supported carriers:
- Verizon, T-mobile, AT&T

Operating bands:
- LTE-FDD: B2, B4, B5, B12, B13, B14, B66, B71
- WCDMA: B1, B4, B5

Ethernet RJ45
- 2x 10/100 Ports (1 x LAN 1 x WAN optional)

Operating conditions:
- Voltage: 12-24 V
- Passive PoE support (input only)
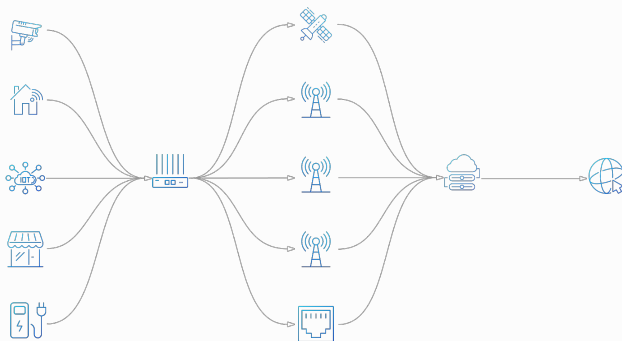- Power consumption: ~18 W
- Operating temperatures: 32-95° F
- Air humidity: up to 80%

Weight & Dimensions
- Weight: 1.7 lbs
- Dimensions: 8.3 " wide x 1.9" tall x 5.9" deep (not including antennas)

Features:

Routing / Switching Protocols
- Pv4/IPv6, Session persistent failover, NAT, GRE, Port Forwarding

IP Applications
- DDNS, DNS Proxy, DHCP / DHCPv6

VLAN & VPN
- VLAN, IPSec, VPN Failover

Wi-Fi*
- Wi-Fi Hotspot, can be used as additional bonding input

Security
- Firewall, e2e encryption for each individual gateway

***Please note:** for the multiple-device network, large WiFi coverage areas & best performance, external Wi-Fi router is recommended

How it works:

Plug & Play
installation in under 90 seconds

Up to 5
independent internet sources

Secured
cloud infrastructure management

Please pay attention:

⚠ 1. Use only power supplies with rated power. Contact us at **support@mrnet.us** or via **Online Chat at https://mrnet.us** if you are unsure which power supply is suitable for your equipment. Using an unsuitable power supply may result in equipment failure.

⚠ 2. The device's case is made of a durable metal. IP50 Class of the protection. Protected from limited dust ingress. Not protected from any liquids.

⚠ 3. The device must be only used in strict compliance with client equipment operating, energy and safety requirements.