



1.0 GENERAL DESCRIPTION

- 1.1 The unit shall be a cellular option that connects through a wireless network where phone lines are not available or trenching costs are prohibitive, model 4G LTE-A Cellular IP or 5G Cellular IP mobile router from Code Blue Corporation, no substitutions. It is capable of being used with any Code Blue model with a VoIP emergency speakerphone that is outdoors and free of signal obstruction. The unit shall consist of an internally mounted, ruggedized Cellular IP mobile router, an internal or external antenna, and cables that connect the mobile router to the antenna.
- 1.2 The Cellular IP mobile router must support LAN, WAN, Wi-Fi, 4G LTE-A or 5G connectivity options, and include a GPS receiver. The Cellular IP mobile router must be equipped with multiple connection options for redundancy and failover, including two SIM card slots for cellular connections to multiple carriers.
- 1.3 If a cellular network is used as the primary or failover method for Internet access, a subscription to a cellular carrier shall be required by the end user to connect the unit to Code Blue’s Cloud platform or Private Cloud network using a VPN tunnel with 256-bit AES encryption for network security. A SIM card and data plan shall be obtained for each unit purchased and may be provided by Code Blue or the end user. Cellular data plans must be scaled properly based on the number of units using each router as their WAN gateway. The Cellular IP mobile router must be compatible with all major carriers including, but not limited to, Verizon, AT&T, T-Mobile, Rogers, Telus, and Bell.

2.0 CELLULAR IP MOBILE ROUTER INTERFACE SPECIFICATIONS

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|--------------------------------|---|
| WAN Interface | 1x 10/100/1000M Ethernet Port # 1x Embedded LTE Modem with Redundant SIM Slots |
| LAN Interface | 2x 10/100/1000M Ethernet Port |
| Wi-Fi Interface | Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 5, 2X2 MIMO Wi-Fi WAN1 and/or AP |
| Router Throughput | 300 Mbps |
| Number of IPsec Tunnels | 5 |

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Architectural & Engineering Specifications

| | |
|---|---|
| Downlink/Uplink Datarate | 150Mbps/50Mbps (CAT 4) |
| Cellular and GPS Antenna Connector | 2x SMA Cellular Antenna Connectors 2x RP-SMA Wi-Fi Antenna Connector 1x SMA GPS Antenna Connector |
| Power Input | Power Port: 10V – 30V DC AC Adapter: AC Input 100V–240V / DC Output 12V Power over Ethernet 802.3at |
| Power Consumption | 13W (nominal), 18W (max.) |
| Dimensions | 5.0 x 4.2 x 1.4 inches 125.7 x 107 x 35 mm |
| Operating Temperature | -40° – 149°F, -40° – 65°C |
| Humidity | 15% – 95% (non-condensing) |
| Certifications | FCC, CE, RoHS |
| SIM Card Size | Nano-SIM (4FF) |

3.0 WARRANTY

3.1 The Cellular IP mobile router shall be warrantied against any defects, under normal use, for a period of one year. The warranty shall be extended to two years with a qualified, active cloud service subscription from Code Blue.

4.0 MANUFACTURER

4.1 The Manufacturer shall be Code Blue Corporation. 800-205-7186, 259 Hedcor Street, Holland, Michigan 49423. www.codeblue.com. THERE ARE NO EQUIVALENTS.

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