






# BlueTide EdgeAntenna

## Compact & Integrated 5G Network System



### High Throughput

The power of 5G connectivity, network management, and SDWAN optimization in a compact device that installs in minutes

-  **Integrated 5G 4x4 Antenna Array, 5G Modem, 2x2 WiFi, GPS, and Network Router**
-  **8 SIM cards - manual or automatic selection optimized with Mobility Management**
-  **Runs BlueTide's full suite of network controls**
-  **Simple to install - 1 ethernet cable with Power over Ethernet (PoE) or +12V DC powered**
-  **Location Aware - Always On Connectivity with Global Coverage**

The 5G EdgeAntenna is an integrated antenna array and cellular router solution that replaces numerous discrete vessel connectivity systems. The onboard cellular antenna array and 5G modem, Wi-Fi capabilities as client or host, and universal WAN input make the 5G EdgeAntenna the ultimate consolidated host platform for off-grid connectivity. The EdgeAntenna runs K4's full technology suite to maximize the on-vessel internet experience and, like all K4 products, it can be managed via a Local Web Portal, the K4 Edge Mobile App, and remotely through the web-based Connect service portal.

### EdgeAntenna

- Integrated 5G with LTE fallback, Wi-Fi, and WAN management
- GbE interfaces for LAN/WAN connectivity (2x)
- 8x hosted 5G SIM cards with K4 Intelligent SIM selector
- Single Cat6 cable, Power over Ethernet (PoE) install

### Edge Application

- Intuitive dashboard
- Manage service from anywhere
- One-click management, service updates

### Advanced QoS

- Deep packet inspection, DNS Content Filter
- Rate and Quota management
- One-click client/group management

### Security and performance

- Optimized LTE/SIM performance with Mobility Management (ML/AI)
- Integrated stateful firewall
- DPI + CF to secure the Internet

### Local Area Network Management

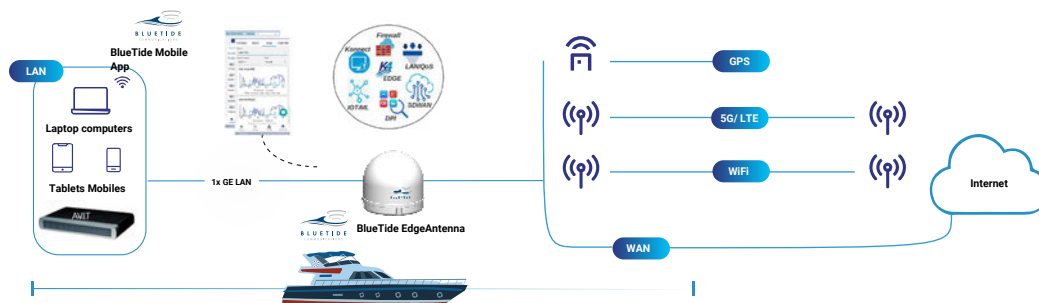
- Direct and routed LAN DHCP DNS
- LAN monitor, Remote Connect
- M-DNS with enterprise VPN
- App, Device, and Group QoS

### Software Defined Wide Area Network

- Group/device/app priority
- Advanced Link Bonding
- USA Internet

### Operations

- HA software/systems
- Edge Connect from anywhere
- Role-based access without SSO
- 3rd Party Service Hosting



## Specifications



h = 11.85"

Front View



d = 12.50"

Bottom View

<b>Antenna Systems</b>	4x4 OmniDirectional 5G/LTE Cellular Antenna array, 2x2 WiFi, powered GPS
<b>Cellular Modem</b>	5G modem (x55) / Cat 22 LTE fallback - 4200 Mbps DL / 1300 Mbps UL peak
<b>SIM Bank</b>	SIM bank: 8x 2FF(Mini) SIM Slots
<b>WiFi</b>	802.11 ac/a/b/g/n 2x2 MIMO, 1166 Mbps - configurable as Client or AP
<b>GNSS / Navigation</b>	GPS, GLONASS, Galileo, BeiDou - with logging and carrier awareness
<b>Network Configurability</b>	500 Clients, 30 VLAN Networks, Stateful Firewall
<b>LAN Interface</b>	1x 1000 Mbps RJ45 with PoE
<b>Power</b>	+12VDC (30W Max); Power over Ethernet (PoE)
<b>Physical</b>	12.5" (d) x 11.85"(h) / 317.5mm x 301mm : 5 lbs / 2.27 kgs
<b>Environmental</b>	Operating temp: 0 to +50 C; Humidity up to 90%, non-condensing
<b>Warranty</b>	1 year limited