



K4EdgeAntenna

Compact & Integrated 5G Network System



K4 Edge - 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 K4 Mobility Management
- Runs K4 Mobility'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 Konnect service portal.

K4 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

K4 Edge Application

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

Advanced K4 QoS

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

Security and performance

- Optimized LTE/SIM performance with K4 Mobility Management (ML/AI)
- Integrated stateful firewall
- DPI + CF to secure the Internet

Local Area Network Management

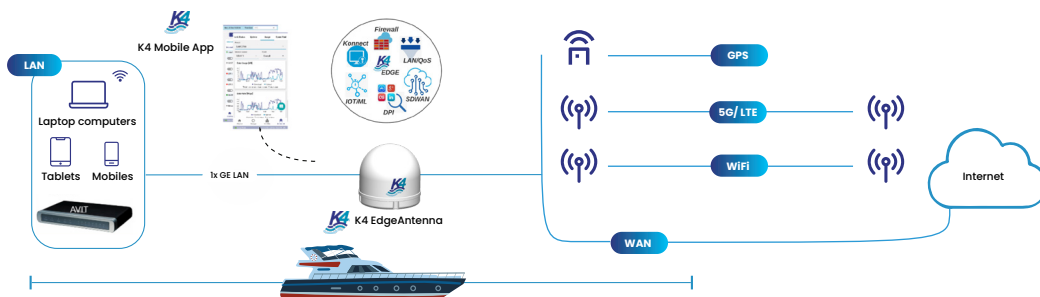
- Direct and routed LAN DHCP DNS
- LAN monitor, Remote Konnect
- M-DNS with enterprise VPN
- App, Device, and Group QoS

Software Defined Wide Area Network

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

Operations

- HA software/systems
- K4 Edge Konnect from anywhere
- Role-based access without SSO
- 3rd Party Service Hosting



Specifications



$h = 11.85''$

Front View



$d = 12.50''$

Bottom View

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