K4 OneDome

Multi-Modem High Gain Directional Antenna System

K4 Edge Services – High Throughput

The K4 OneDome provides superior Cellular and Marina Wi-Fi connectivity for the highest possible throughput, near or very far offshore

👍 Multi-modem, high gain sectorized antenna system, high data rate cellular, 2x2 WiFi as client or AP

🔗 Supports up to 24 SIM cards, 8 per modem, routable manually or with predictive analytics

((•)) Unmatched, best-in-class offshore connectivity, with advanced bonding and automatic cellular carrier selection

✓ Simple to install all-enclosed dome, requires only ethernet & power; no coax cable runs

The OneDome is a fully integrated antenna system that pairs high-gain directional antennas directly to each modem, providing optimal cellular connectivity through a low-loss, high gain, and noise isolating design. The unique K4 SIM Bank and Mobility Logic features simplify global network support, using up to 8 SIM cards per modem with advanced automation and analytics to optimize SIM selection and maintain robust connectivity. This unique combination of superior RF performance and class-leading software results in a simple to install system with unmatched performance. The K4 OneDome installation couldn't be easier, requiring just a single Ethernet cable and a DC power line. Experience the best multi-modem performance with no bulky coax or complicated cable routing.

K4 OneDome

- 17x24" Dome enclosing high-gain directional LTE antennas and modems
- Dome integrates CAT12 LTE (3x) with marina WiFi
- 24x SIM cards managed with K4 Advanced Mobility Manager
- Requires only Ethernet and Power cabling from Dome to below deck (no LMR / Coax Cables)

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
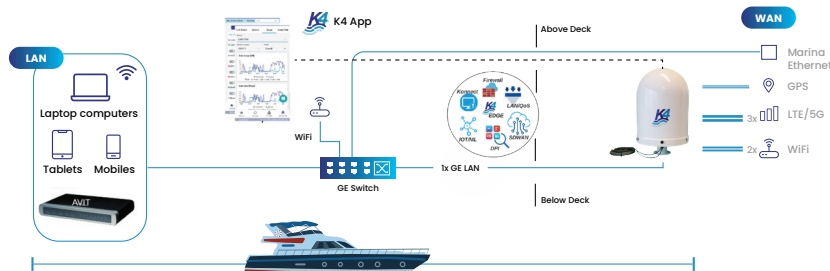- DPI + CF to secure the Internet

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
- Katalyst IQ channel bonding
- USA Internet

Operations

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

K4 OneDome

K4 OneDome i5

WAN WiFi	802.11 ac/a/b/g/n 2x2 MIMO, 1166 Mbps
WAN Cellular	3x CAT12 LTE Modems - 600/150 Mbps per modem
LAN Interface	1x 1000 Mbps – LAN/Client
LAN Ports	1
GNSS Receiver	GPS, GLONASS, Galileo, BeiDou, and QZSS
Ethernet Interfaces	1x 100/1000 Mbps RJ45
Power Input	12-24 VDC (6A peak, 2A nominal); 100-240 V, 50-60 Hz AC Adapter Included
Power Consumption	30W (Typical) – 20% loading
Weight	i5 configuration: 50 lbs; K4 configuration: 45lbs
Warranty	1 year limited