

K60c

60GHz Outdoor Wireless Network Client Unit

The Altowav K60c is a 60GHz radio with integrated 64-element beamforming antenna that provides 1.8 Gbps aggregate capacity at ranges up to 280 meters. It supports PtMP and can be configured as either hub or remote for maximum flexibility.

The K60c is carrier-grade, manufactured in the USA and features IP65 weather-sealing for reliable outdoor operation. With its extremely compact size and low-cost, it is ideally suited as a client for enterprise and residential gigabit access applications.



High Capacity

Up to 1Gbps symmetrical

Low Latency

Sub 1ms latency

Dynamic Resource Allocation

Network capacity is automatically adjusted based on per endpoint downlink and uplink utilization

Adaptive Beamforming

64 element, phased array, beamforming antenna with 90° horizontal and 40° vertical scanning for maximum link resiliency and ranges up to 280m at full capacity

Dense Network Ready

60GHz spectrum with beamforming and interference cancellation allows for extremely dense networks

Security

AES 128 encryption with automatic secure key distribution

Carrier-Grade

IP67 rated enclosure (requires Harting connectors) and built in USA for reliable, long-term operation in the field

Simple and Rapid Installation

Altowav's antennas auto-align for easy installs, and our Open API and native layer 2 architecture enable easy integration into operators' existing networks

Specifications

SYSTEM

Configuration	Point to Point and Point to Multipoint
Frequency and Duplexing	57.24 - 63.72GHz TDD
Channel Bandwidths	3 non-overlapping 2.16GHz channels
Modulation	8 levels of adaptive modulation and coding schemes
Antenna	Integrated 64 element beamforming antenna with wide scanning range: Horizontal: 90° Vertical: 40°
Full Capacity Range	280m (MCS 8)
Capacity	Up to 1Gbps symmetrical
Ethernet Frame Type	Transparent bridging of all Ethernet types including VLAN and VLAN stacking
Latency	250µs average TDD
L2 Switching	Complete Layer 2 switching, including VLAN support
Security	AES 128

MECHANICAL

Dimensions (H x W x D)	7.3" x 3.2" x 1.2" (185 x 80 x 30mm)
Weight	9oz (255g)
Operating Temperature	-30° to +55°C
Ingress Protection	IP65
Regulatory	FCC, IC
ESD	IEC EN 61000-4-2
EMC	IEC EN 61000-4-3

CONNECTIVITY

Ethernet	1 x 1000BASE-T RJ45
Power Input	802.3af PoE
Power Consumption	6W maximum

MANAGEMENT

Management	Web GUI, CLI, REST API and Altowav Edge Controller (optional)
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