

# 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

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

## MECHANICAL

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

## CONNECTIVITY

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

## MANAGEMENT

<b>Management</b>	Web GUI, CLI, REST API and Altowav Edge Controller (optional)
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