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 919ft (280m). 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 1.8Gbps aggregate

Low Latency
Sub 1ms latency

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

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Adaptive Beamforming
64 element, phased array, beamforming antenna with 90° horizontal and 40° vertical scanning for maximum link resiliency and ranges up to 919ft (280m) at full capacity

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

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Security
AES 128 encryption with automatic secure key distribution

Carrier-Grade
IP65 rated enclosure and built in USA for reliable, long-term operation in the field

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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

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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	919ft (280m) MCS-8
Capacity	Up to 1.8Gbps aggregate
Ethernet Frame Type	Transparent bridging of all Ethernet types including VLAN and VLAN stacking
Latency	< 1ms
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 AltoCommand (optional)

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