

## **Kwikbit™ K60c+** **60 GHz Extended Range Client**

The Kwikbit K60c+ is a 60GHz radio with 128-element beamforming antenna that provides best-in-class 1.8 Gbps goodput at ranges up to 405 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 1.8 Gbps “goodput” capacity per channel

### **Low Latency**

Sub 1 ms latency

### **Dynamic Resource Allocation**

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

### **Adaptive Beamforming**

128 element, phased array, beamforming antenna with 90-degree horizontal and 40-degree vertical scanning for maximum link resiliency and ranges up to 405m at full capacity

### **Dense Network Ready**

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

### **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

### **Simple and Rapid Installation**

Kwikbit Edge/Cloud tools enable non-technical physical install and zero-touch commissioning for rapid, low-cost network expansions

## K60c+ Specifications

### System

Configuration	Point to Point and Point to Multipoint
Frequency and Duplexing	57.24 - 63.72 GHz TDD
Channel bandwidths	3 non-overlapping 2.16GHz channels
Modulation	8 levels of adaptive modulation and coding schemes
Antenna	Integrated beamforming antenna with 128 antenna elements and a wide scanning range: Horizontal: 90° Vertical: 40°
Full Capacity Range	405 meters
Capacity	Up to 1.8Gbps aggregate "goodput" per channel
Ethernet frame type	Transparent bridging of all Ethernet types including VLAN and VLAN stacking
Latency	250 $\mu$ s average TDD
L2 switching	Complete Layer 2 switching, including VLAN support
Security	AES 128
PtMP remote support	Up to 8 remote stations

### Physical

Dimensions (H x W x D)	185 x 80 x 30 mm 7.3 x 3.2 x 1.2 inches
Weight	9 ounces / 255 grams
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	8 watts maximum

### Management

Provisioning	Zero-touch deployment and commissioning with Kwikbit Edge Controller
Management	Web GUI, CLI, REST API and Edge Controller (optional)