



60Ghz FatHAUL

Long-Range Bridge/AP (2x2)

Summary:

- Industrial grade 802.11ad/ac/ay 802.1q dual frequency outdoor AP
- Designed for harsh urban environment
- Intelligent signal processing for congested dense environments
- Stable Wireless Coverage Area
- Long Distance Backhaul
- Controllerless Environment

Application Scenarios:

AP Application

Provides a wide range of wireless signal coverages for university, residential and city-wide mesh deployments

Bridge Application

Can develop a wireless bridge between AP's utilizing the WDS feature

AP and Bridge Application

Dual-Band enable AP and Bridge functionality through 5G and 60G

Product Features:

- Dual Band (concurrent 5GHz/60Ghz)
- 802.11 ac/ad/aa/ay standard – 2x2 MIMO
- Max Throughput
 - 7 Gbps (60Ghz, 0.3 km)
 - 5 Gbps (60Ghz, 0.5 km)
 - 1.5 Gbps (60Ghz, 3 km)
 - 866 mbps (5G, 8 km)
- Integrated TDMA Technology
- 4 Operation Modes
 - AP, AP-WDS
 - Station, Station-WDS
- Point to Point/Point to Multi-Point Connectivity
- Multi-hop technology supports density
 - Utilizes a relay link for complicated deployments
- Wireless Multimedia Optimization:
 - Guarantees video/traffic shaping
- Wireless Load-Balancing
- Dual Backup Firmware
- Remote Configuration and Management
- Supports SNMP
- Standard 802.3at PoE+

Product Introduction:

Industry Leading Design

The 60Ghz FatHAUL features an industry leading design; full AP and Bridge functionality in a streamlined enclosure with extremely low power consumption.

Technology

- MIMO – improved wireless data rate and signal quality
- TDMA technology solves hidden-node problems associated with 802.11 deployments
 - Improves PTMP performance
 - Wireless bandwidth efficiency
- Auto ACK time-out adjust
- Auto detect Bridges and Aps
- Intelligent Rate Control Algorithm
- Wi-Fi WAN or LAN port configuration

Convenient Relay Technology

- Deployments without Line of Sight

Intelligent PoE

- Ideal for outdoor applications
- Remote Reset via PoE power supply
- Standard 802.3 at PoE

Product Specifications:

CPU/Baseband Radio:	QCA9557&QCA9882
Memory:	128MB DDR2/16MB Flash
Physical Interface:	1x10/100M/1000M/10000M
Power Requirement:	PoE

Protocol:	802.11 ac/ad/ay 802.1q, TDMA
Operation Mode:	AP, Station, WDS AP, WDS Station
Networking:	Bridge, Router
Operating Frequency:	5.745-5.825GHz 59-64GHz
Security:	WPA/WPA2, Hidden SSID, IP/Mac filtering
Configuration:	Web based configuration, AC and SNMP Management
Firmware Update:	Update via browser or AC

Operating Temperature:	-40°C to 70°C
Storage Temperature:	-40°C to 85°C
Max Power Consumption:	<20w
Dimensions:	102mm x 100mm
Connector:	5G MMCX