



LHG 5 ax & LHG XL 5 ax:

a rugged outdoor Wi-Fi 6 CPE. Built for distance.
Priced for everyone.



WI-FI 6 FOR LONG-RANGE LINKS

Better throughput, less interference, and lower latency over distance



AVAILABLE IN 24.5 OR 27 dBi VERSIONS

Choose your model based on distance – up to 30 km*



WPA3 SECURITY BUILT-IN

Stronger encryption, safer links



AERODYNAMIC GRID ANTENNA DESIGN

Lightweight and stable in wind, resilient in the snow or rain, perfect for pole or rooftop mounting



PASSIVE POE POWERING (12–28 V)

Power and data through a single cable, clean and simple



RouterOS V7 INSIDE

Advanced routing, traffic shaping, and all the networking features you might ever need, with no extra payments!



INCLUDES ALL MOUNTING HARDWARE

Kit includes PoE injector, adapter, and hose clamps

*It's important to note that while longer links are feasible, their reliability may vary depending on weather, line of sight, and other variables

Need a fast, stable connection across large distances? Whether you're bridging two buildings, connecting a remote site, or sharing your internet with nearby infrastructure — the new **LHG Wi-Fi 6 series** is built for the challenge. And here's the best part: **we've kept the same pricing as the previous generation**. High performance, long range, and Wi-Fi 6 — all without breaking the budget.



Two Models. One Mission:
reliable Wi-Fi 6 long-distance links.



LHG 5 ax

A compact, long-range CPE with a 24.5 dBi antenna. Perfect for links up to 20 km in most scenarios.



LHG 5 ax XL

Need more distance? Go for the XL model with an extra large 27 dBi antenna — capable of stable point-to-point links **up to 30 km** in ideal conditions.



Gigabit Ethernet with PoE-in
(less cables to worry about!)



State-of-the-art **antenna built directly into the wireless unit** — no signal loss from extra cabling, and extra durability!



Modern dual-core ARM CPU

Wi-Fi 6 can be a real game-changer! Here's why:

The 802.11ax standard brings crucial improvements for long-distance wireless links — including better spectral efficiency, higher modulation rates (1024-QAM), and lower latency. That means stronger performance even in noisy environments and faster, more stable connections over a greater distance. Combined with WPA3 encryption and RouterOS v7, the LHG ax series is ready for the challenges of modern outdoor networking. Order yours today — and be ready too!

• Specifications

Product code	LHG-5axD / LHG-5axD-XL
CPU	Dual-Core IPQ-5010 800 MHz
CPU architecture	ARM 64bit (RouterOS 32bit)
Size of RAM	256 MB
Storage	128 MB NAND
Number of 1G Ethernet ports	1
Wireless interface model	QCN-6102
Wireless	5 GHz 802.11a/n/ac/ax
Antenna gain	LHG 5 ax: 24.5 dBi / LHG XL 5 ax: 27 dBi
Dimensions	LHG 5 ax: 391 x 222 mm / LHG XL 5 ax: 550 x 245 mm
Operating system	RouterOS v7, License level 3
Operating temperature	-40°C to +70°C

• Powering

DC input	PoE in
PoE-In input Voltage	12-28 V
Power adapter nominal voltage	24 V
Power adapter nominal current	0.38 A
PoE-In	Passive PoE
Max power consumption	5 W

• Included parts



24 V 0.38 A
power adapter



K-LHG kit



Gigabit PoE injector



2x hose clamps