ComX Computers
Product Specification Sheet

RB-LHG5AX-XL

MikroTik LHG XL 5 AX 27dBi PtP CPE

Product Overview

MikroTik LHG XL 5 AX 27dBi PtP CPE, LHG-5axD-XL, Long-Range Outdoor CPE with Modern Wi-Fi 6 Performance, RouterOS V7 Operating System, RouterOS License 3, 256MB RAM, 128 MB storage size, 1 (PoE-in) DC inputs, Passive PoE PoE in, 1200 Mbit/s Wireless 5GHz Max Data rate, 27dBi antenna gain for 5GHz, 1x Gigabit Ethernet Port











Specifications

Overview Summary:

The MikroTik LHG XL 5 AX 27dBi is a powerful outdoor CPE designed to deliver long-range, high-speed Wi-Fi 6 connectivity. Perfect for connecting buildings, campuses, or remote areas in South Africa, it ensures stable internet performance even over several kilometers. Buy now to experience reliable point-to-point wireless networking with modern security and management features. Shop now for a robust outdoor solution with easy installation and passive PoE support.

Performance tier: High-performance

Uses: Long-range point-to-point links, connecting remote sites, bridging buildings, outdoor Wi-Fi coverage, network expansion

Overview:

MikroTik LHG XL 5 AX 27dBi - Long-Range Outdoor CPE with Wi-Fi 6
The LHG XL 5 AX is a high-performance outdoor CPE designed for long-distance point-to-point connections. With modern Wi-Fi 6 technology, a rugged build, and extended range capabilities, this device ensures stable connectivity across challenging environments. The XL 27 dBi version offers superior signal strength, ideal for demanding outdoor networking setups.

Description:

The LHG XL 5 AX combines long-range coverage with advanced Wi-Fi 6 technology to deliver fast and reliable connections. Equipped with a 27 dBi antenna and a maximum 1200 Mbit/s 5GHz wireless data rate, it is perfect for bridging buildings, connecting remote sites, or sharing internet over large distances. With WPA3 encryption, RouterOS v7, and a 1 Gigabit Ethernet port, it provides secure, efficient, and modern outdoor wireless networking at a competitive price.

Features:

Optimized for Long-Distance Connectivity
Engineered for point-to-point links, the LHG XL 5 AX supports connections up to 30 km under ideal conditions. Its high-gain 27 dBi antenna ensures signal stability over long distances, making it a reliable solution for outdoor networking between buildings, campuses, or remote infrastructure.

Modern Wi-Fi 6 Performance
Supporting the 802.11ax standard, this device offers improved spectral efficiency, higher modulation rates (1024-QAM), and reduced latency. These upgrades enhance wireless performance even in crowded or noisy environments, providing faster and more stable connections for long-range links.

Durable and Outdoor-Ready Design
Built to withstand harsh outdoor conditions, the LHG XL 5 AX features a robust design that maintains performance in extreme weather. Its passive PoE support allows easy installation and reliable power delivery over long cable runs.

Advanced Security and Management
The device comes with RouterOS v7 and a RouterOS License 3, offering advanced network management and WPA3 encryption for secure wireless links. With 256MB RAM, 128MB storage, and a Gigabit Ethernet port, it can handle high throughput and complex network configurations.

Easy Installation and Setup
With a compact, rugged design and passive PoE support, the LHG XL 5 AX can be quickly installed in challenging locations. Its intuitive configuration options make it accessible for both professional network installers and advanced DIY users.

Technical Specifications

- Wireless standard: 802.11ax (Wi-Fi 6)
- Maximum 5GHz data rate: 1200 Mbit/s
- Antenna gain: 27 dBi for long-range coverage
- RAM: 256 MB, Storage: 128 MB
- Power input: 1 (PoE-in) DC, Passive PoE
- Ethernet: 1x Gigabit port
- RouterOS: v7 with License 3

Perfect for Outdoor Networking Projects

Whether connecting two distant buildings, providing internet to remote locations, or extending a network over several kilometers, the LHG XL 5 AX delivers high performance without exceeding your budget. For shorter-range applications, consider the regular LHG models for a cost-effective alternative.

Specifications:

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Specifications	
Product Code	RB-LHG5AX-XL
Specifications	
Product code	LHG-5axD-XL
Architecture	ARM 32bit
CPU	IPQ-5010
CPU core count	2
CPU nominal frequency	800 MHz
RouterOS license	3
Operating System	RouterOS v7
Size of RAM	256 MB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-40degreesC to 70degreesC
Powering	
Number of DC inputs	1 (PoE-IN)
Max power consumption	5 W
PoE in	Passive PoE
Cooling type	Passive
PoE in input Voltage	12-28 V
Wireless specifications	

Wireless 5 GHz Max data rate	1200 Mbit/s
Wireless 5 GHz number of chains	2
Wireless 5 GHz standards	802.11a/n/ac/ax
Antenna gain dBi for 5 GHz	27
Wireless 5 GHz chip model	QCN-6102
Wireless 5 GHz generation	Wi-Fi 6
Ethernet	
10/100/1000 Ethernet ports	1
Other	
CPU temperature monitor	Yes
Certification & Approvals	
Certification	CE, FCC, IC, EAC, ROHS
IP	54

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/RB-LHG5AX-XL-MikroTik-LHG-XL-5-AX-27dBi-PtP-CPE-p-327834.php

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