ComX Computers
Product Specification Sheet

RG-EST450G

Reyee 5GHz WiFi 5 Gigabit 15dBi 120 degrees Integrated Sector CPE

Product Overview

Reyee 5GHz WiFi 5 Gigabit 15dBi 120 degrees Integrated Sector CPE, RG-EST450G, IP55 rating, 3x Gigabit Ports, 15 dBi antenna gain, 2x2 MIMO, 120 degrees horizontal Polarization, 13 degrees Vertical Polarization











Specifications

Overview Summary:

The Reyee RG-EST450G is a high-performance 5GHz outdoor CPE featuring a built-in 15dBi directional antenna and triple Gigabit ports, making it ideal for reliable long-distance wireless connections in outdoor settings. Built to withstand tough South African climates with an IP55 rating, it offers seamless point-to-multipoint communication, especially across farms, campuses, or business parks. Enjoy easy installation and flexible power options with support for passive and active PoE.

Whether you're extending internet access to remote facilities or establishing a backbone network between buildings, this device delivers fast, stable connections with up to 867 Mbps throughput. Shop now to enhance your outdoor connectivity with dependable Reyee technology.

Performance tier: Mid to High

Uses: Point-to-multipoint links, outdoor WiFi expansion, rural broadband, industrial park networking, campus interconnectivity

Overview:

Reyee RG-EST450G 5GHz Gigabit Outdoor CPE with 15dBi Sector Antenna

High-Performance Outdoor Wireless Bridge for PTMP Deployments
The Reyee RG-EST450G is a high-gain 5GHz wireless CPE with an integrated 15dBi directional antenna, specifically designed for point-to-multipoint (PTMP) scenarios in outdoor environments. Ideal for locations such as campuses, industrial parks, farms, or street-level connectivity, it offers strong performance, durability, and simplified deployment.

Features:

Key Specifications at a Glance

- 5GHz WiFi 5 (802.11ac) technology
- Maximum throughput: 867 Mbps
- 15 dBi antenna with 120-degree horizontal and 13-degree vertical polarization
- 2x2 MIMO for improved performance and stability
- Weather-resistant IP55-rated enclosure

Designed for Real-World Outdoor Applications
The built-in 120-degree sector antenna makes the RG-EST450G suitable for wide-angle coverage across multiple locations. Whether linking buildings across a business park or connecting rural facilities, this device provides consistent, long-range connectivity.

Flexible Power Options
To support diverse installation scenarios, the RG-EST450G features three power input methods:

- 12V DC
- Passive PoE
- IEEE 802.3af/at PoE

This flexibility allows easy integration with various network power setups, especially in areas where power infrastructure is limited or unconventional.

Connectivity and Port Configuration

Equipped with three Gigabit Ethernet ports, the device enables both backhaul and local access connections. This makes it simple to integrate with existing networking equipment or support additional endpoints.

Simple One-Touch Pairing for Bridge Mode
Deploying the device is fast and user-friendly, thanks to one-touch pairing. This streamlines setup when used in PTMP environments, minimizing installation time and reducing configuration complexity.

TDMA and SON Support
Built-in support for Time Division Multiple Access (TDMA) enhances network efficiency, especially in environments with high interference. In addition, Self-Organizing Network (SON) capabilities ensure seamless communication between multiple units.

Seamless Compatibility with Other Models
The RG-EST450G is compatible with Reyee's AirMetro and other EST series devices, even when TDMA is enabled. This makes it easier to expand your network with mixed-model deployments while maintaining optimal performance.

Specifications:

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Specifications	
Product Code	RG-EST450G
Wi-Fi Standard	Wi-Fi 5
Max. Wireless Speed	867 Mbps
IP Rating	IP55
Operating Temperature	-30degreesC to +65degreesC (-22degreesF to +149degreesF)
Fixed Ports	3 x 10/100/1000BASE-T Ports
Dimensions	355 mm x 124 mm x 48 mm (13.98 in. x 4.88 in. x 1.89 in.) (without bracket)
Certification	CE
MIMO	2x2 MIMO
Antenna Gain	15 dBi
Polarization	H: 120degrees, V: 13degrees
Recommended Distance	With 330F-P: 3 km (1.86 miles) With 350G: 5 km (3.11 miles)
Weight	0.83 kg (1.83 lbs.)

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/RG-EST450G-Reyee-5GHz-WiFi-5-Gigabit-15dBi-120-degrees-Integrated-Sector-CPE-p-326873.php

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