



# BLU-CASTLE

Blu-Castle Confidential

## BCSKV630

HGU + WiFi 6 3000ax + Voice + EasyMesh



## Interfaces

Optical interface	1*GPON port, SC/APC
Ethernet	4*GE RJ45 ports
USB	1*USB3.0
VOIP	2*VOIP
Power Input	12VDC/1.5A
Buttons	Power On/Off, Reset, WPS
LEDs	Power, PON, LOS, Internet, LAN1~4, 2.4G, 5G, WPS, USB

## GPON

Standards	ITU.T G.984, G.988
Optical Module	Class B+, BOB
Bandwidth	2.488Gbps, Downstream 1.244Gbps, Upstream
Wavelength	1310nm, Transmit 1490nm, Receive
Max Distance	20 Km
TX Output	0.5 ~ 5 dBm
RX Input	-8 to -28 dBm

## Chipset

CPU	EN7529CT
Wi-Fi	MT7916AN (BB) + MT7976DN (RF)
Flash	256MB SPI NAND
RAM	512MB DDR

## Physical

Operating Temperature	0°C~45°C
Storage Temperature	-20°C~65°C
Operating Humidity	5%~95% (non-condensing)
Dimensions	200*150*40 (W*D*H) mm
Net Weight	430g (device only)
Housing Color	Black

## Packaging

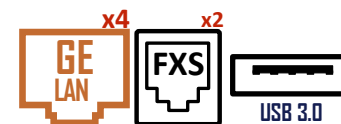
1x GPON ONT
1x Power Adapter, 12VDC
1x Ethernet Cable, CAT5e
1x Quick Installation Guide

## Summary

# AIROHA EN7529



**MEDIATEK**  
MT7916+MT7976



Upto 256MB ROM Upto 512MB RAM

**Voice**

**TR-069**

**Easy Mesh**

## Wireless

Standards	2.4GHz IEEE 802.11b/g/n/ax 5GHz: IEEE 802.11a/n/ac/ax WFA EasyMesh v2.0, WPS2.0
MIMO	2.4GHz: 2x2, 2 spatial streams 5GHz: 2x2, 2 spatial streams
Data Rate	2.4GHz - 573.5Mbps(11ax@40MHz) 5GHz - 1201Mbps(11ax@80MHz) 2402Mbps(11ax@160MHz)
Security	WEP, WPA/WPA2-PSK, WPA3
Features	Downlink & Uplink OFDMA MU-MIMO WMM, WPS 2.0 Multiple SSID (Guest SSID) DFS Radar Detection Band Steering Wi-Fi Access Control
Antenna	2 Internal antennas for 2.4GHz 2 Internal antennas for 5GHz

## Software Features

Basics	PPPoE/DHCP/Static IP, DHCP server, DNS proxy, NAT/NAPT, NTP
Advanced	Port Forwarding, ALG, DMZ, UPnP, DDNS, VPN Passthrough, Multiple WAN, VLAN, QoS, BFD
IPv6	IPv4/IPv6 Dual Stack, DS-lite
Security	SPI Firewall, Anti-DoS, ACL
Parental Control	IP/MAC/URL Filter Access Time Control
Multicast	IGMP v1/v2/v3 Snooping/Proxy, MLD v1/v2, Multicast over Wi-Fi
Wi-Fi Mesh	EasyMesh v2 Compliant Plug & Play EasyInstallation Auto Configuration Seamless Roaming Wired and Wireless Backhaul
Management	TR069, TR098, TR181, TR143 Web GUI (http/https) Telnet/SSH