

# WiFi EasyMesh ERO1 Extender

The WiFi EasyMesh™ ERO1 Extender is part of Heights-Telecom's mesh network solution which brings reliable and high performance WiFi coverage to anywhere in the home. The Heights Telecom WiFi EasyMesh networking architecture uses multiple access points to create an inclusive residential network with an EasyMesh Controller and up to 4 x ERO1 slave extenders. A mobile app provides remote management.

The ERO1 can be used in the following two network configurations:

- EasyMesh Controller is integrated in the GW, the ERO1 extender will connect to this GW as an EasyMesh WiFi AP.
- Gateway doesn't support the EasyMesh Controller, one of the ERO1 extender will act as a Controller and the other will connect as an EasyMesh AP.

## Features

- EasyMesh compliant
- Client and Band steering
- Daisy chain topology
- Zero touch provisioning
- Fast WiFi speeds
- Full home coverage
- Mesh, AP and Repeater support modes
- IOS & Android mobile application

## Benefits

- Users can add other EasyMesh compliant extender
- Improved surfing experience
- Supports Star or Daisy chain topology to increase coverage
- Mesh installation with ETH cable without involving a mobile app
- Provides fast WiFi speeds up to 2100 Mbps
- Full home coverage with up to 4 Extenders
- Allows the ERO1 to be used in any configuration
- Management & control of entire home WiFi network

The **WiFi EasyMesh ERO1 Extender** is a CE compliant AP/Repeater/ Mesh Extender designed to be directly connected into a wall outlet or used within the ERO1 stand. The product also includes a RJ45 Gigabit Ethernet port for LAN/WAN use and a USB connector for an IoT Smart Home dongle



## ERO1 Mobile Application

Heights-Telecom provides iOS & Android APPs which help customers manage and control their WiFi EasyMesh network. The app also provides parental control, an advanced speed test for the in-home WiFi network and allows Café-style access for guests. The installation is plug & play installation using a QR code.



# ERO1 Technical Specifications

Interface			
External Interfaces	1 – RJ 45 for GB Ethernet LAN/ WAN	1 USB port for IoT dongle	
	1 – RJ 45 for GB Ethernet LAN/ WAN	2.4G 2x2 11N up to 300 Mbps	
	1 Reset to factory default button	Wall mount 110-220V AC European plug	
Wireless Features			
Wireless Standard	802.11 a/b/g/n/ac	Security	Enabled
Wireless Signal Rates	Up to 2100 Mbps	SSID Broadcast Control	Enabled
Operating Mode	Auto by default	Transmission Speed	Auto
Wireless Communication	Enable	Steering	Client & Band steering
Wireless Security	WPA & WPA2	Mesh topology	Star/Daisy-chain
Channel selectio	Auto channel selection	AP/Repeater mode	Supported
Channel selectio	Supported		
WLAN Internal Antennas	2 x dual band antennas 2.4 + 5 GHz	Providing 2x2 .11n signal at 2.4 GHz and	
	2 x single band antennas 5 GHz	4x4 .11ac signal at 5 GHz	
Network & System Features			
DHCP, static IP connectivity	WAN connectivity on DHCP by default	Echo mode (wireless switch schedule)	Supported
IGMP Snooping	Supported	MultiRangePort Forwarding	Supported
Status	Supported – LEDs, app	Auto Time Synchronization	Supported
Self-Healing	Supported - app	TR-181	Supported
		Cloud & Web management	Supported
Physical Interface			
Interface	Ethernet, USB	Status LEDs	Red: boot or n/w fail
Power Supply	AC Power Wall mount, stand kit (optional)		Blue: ready to install
		Button	White: Internet access
			Reset
Environmental Requirements			
Operating Temperature	0 C ~ 45 C	Storage Temperature	-20 C ~ 70 C
Operating Humidity	10% ~ 90%, non-condensing	Storage Humidity	5% ~ 90%, non-condensing
Dimensions			
Physical Dimensions	161 mm x 85 mm x 81 mm		

## Related Products

- ERO1x WLAN EasyMesh based on WIFI 6 2x2 11ax + 2x2 11ax
- ERO1x3 WLAN EasyMesh based on WIFI 6 Tri Band 2x2 11ax + 2x2 11ax + 4x4 11ax