

ERO1BEM Pro

Mesh Extender
BE18100 Tri-Band WiFi7

HEIGHTS

Main Chipset

BCM6766

WiFi 7

2.4G 2X2

5G 4X4

6G 4X4

Easy Mesh R4

Mesh Backhaul and Topology

WiFi 6Ghz

LAN 10GE

Daisy Chain

Star topology

OpenSync ready
(6.2 in roadmap)

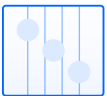


Product Specifications



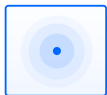
Wireless Features.

Wireless Standard	802.11 a/b/g/n/ac/ax/be
Wireless Signal Rates	Up to 18.1 Gbps
2.4GHz Band	2x2 11be up to 700 Mbps
5GHz Band	4x4 11be up to 5.8 Gbps
6GHz Band	4x4 11be up to 11.6 Gbps
Multi link operation	Concurrent operation of 6G+5G+2.4G
Operating Mode	Auto by default
Wireless Communication	Enable
Wireless Security	WPA, WPA2 and WPA3
Auto channel selection	Supported
Single SSID	Supported
Steering	Band & Client steering
Security	Enabled
SSID Broadcast Control	Enabled
Transmission speed	Wireless Auto
EasyMesh Rel5	Supported
Matter Supported (Optional)	BLE + Zigbee + Thread



Network Features.

PPPoE, DHCP, static IP connectivity	WAN connectivity on DHCP by default
NAT	Supported
MultiRangePort Forwarding Virtual server, special Application & DMZ host	Supported
DHCP Server	Supported
UPnP, DDNS	Supported
MAC Address Cloning	Supported
IGMP Snoop	Supported
QoS Traffic Control (IP)	Supported
DNS Relay	Supported
Café-style guest network	Supported



Smart Led.

Red	Boot or No Internet Access
Red Blinking	WiFi Backhaul fail
Blue	Ready to Install
White	Internet Access
White Blinking	Low WiFi Connectivity Quality



Security Features.

NAT for basic firewall support	Supported
Packet filtering firewall	Supported
Password authentication to gateway	Supported



System Features.

Configuration download / upload	Supported
Telnet / SSH	Supported
SNTP	Supported
Remote & Web management	Supported
Self-Healing	Supported
TR-069 / TR-181	Supported
Echo mode (wireless switch schedule)	Supported



Physical Features.

Interface	WAN port, Ethernet, Power
Power Supply	12V 2.5A DC
Button	Reset, Power On/Off, WPS, WiFi On/Off
Dimensions	160mm x 178mm x 74mm
Operating Temperature	0° C ~ 40° C
Operating Humidity	10% ~ 90%, non-condensing
Storage Temperature	-20° C ~ 70° C
Storage Humidity	5% ~ 90%, non-condensing

Interface.



- WIFI ON/OFF
- WPS Button
- Reset to factory
- Power ON/OFF
- Power Jack
- 1GE RJ45 LAN
- 10GE RJ45 LAN
- 10GE RJ45 WAN/LAN