

# HT-6766BEM

Active ETH Gateway  
BE18100 Tri-Band WiFi7



## Main Chipset

BCM6766 Quad-Core ARM-A7 processor@2GHz

## Access

10G Active ETH

## Multi Service

Containerized SW

Cyber

Parental Control

## WiFi 7

2.4G 2X2

5G 4X4

6G 4X4

Multi Link Operation

Easy Mesh R5

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	IEEE 802.11be; MU-MIMO 2x2@40MHz; 2 Streams up to 700 Mbps
5GHz Band	IEEE 802.11be; MU-MIMO 4x4@160MHz; 4 Streams up to 5.8 Gbps
6GHz Band	IEEE 802.11be; MU-MIMO 4x4@320MHz; 4 Streams up to 11.6 Gbps
Multi link operation (MLO)	Concurrent operation of 6G+5G+2.4G
Beamforming	Supported
BSS coloring	Supported
Multi-SSID	Supported, including Guest network
Operating Mode	Auto by default
Wireless Communication	Enable
Wireless Security	WPA / WPA2 / 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.

Active ETH	10Gbps link speed
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



## 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
USP Remote management	Supported
Self-Healing	Supported
TR-069 / TR-181	Supported
Echo mode (wireless switch schedule)	Supported



## Physical Features.

Interface	WAN, FXS, Ethernet, Power, USB3.1
Power Supply	12V 4A DC
Button	Reset, Power On/Off, WPS, WiFi On/Off
Dimension	218mm x 170mm x 56mm
Operating Temperature	0° C ~ 40° C
Operating Humidity	10% ~ 90%, noncondensing
Storage Temperature	-20° C ~ 70° C
Storage Humidity	5% ~ 90%, noncondensing



## Smart Led.

LED control	Shut down when dark
Red	Boot or network fail
Blue	ready to install
White	Internet access
Green	Internet access without WiFi connectivity

# Interface.

