MERCKU

Redefining Mesh Wi-Fi

M6s AX3000
PoE++ Mesh System

- ⊘ 360° Remote Management
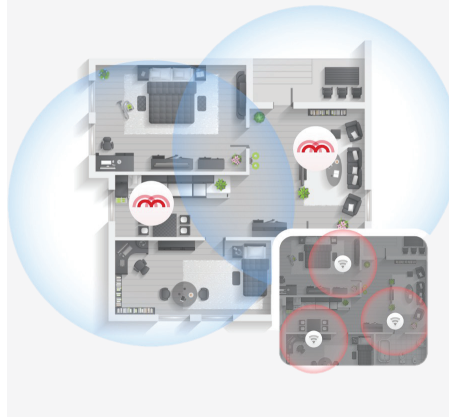- ⊘ 2.5G WAN
- ⊘ Full ISP Optimized Suite

Powerful Mesh Wi-Fi For All

System Highlights

- ○ Simplify installation and system management with **built-in POE++** (802.3bt, 60W). **Optimized for Outdoor Units (ODU)** for fixed wireless access

- ○ M6s features an upgraded antenna array and wireless RF design that brings enhanced signal strength, ensuring wider coverage for seamless connectivity

- ○ Next-Gen 3Gbps speeds on latest Wi-Fi 6 spec brings full throughput to every device in the house

- ○ Mercku's Award-Winning hardware and software design, trusted by 100+ partners globally

Ultimate Flexibility

EasyMesh Compatible Mesh Wi-Fi for Whole-Home Signal Coverage

Mesh Key Features

((•)) Expandable and wireless. Seamless connectivity with M6s Nano Nodes for full home coverage.

Simple guided set-up

Seamless client and device roaming

Network and device intelligence
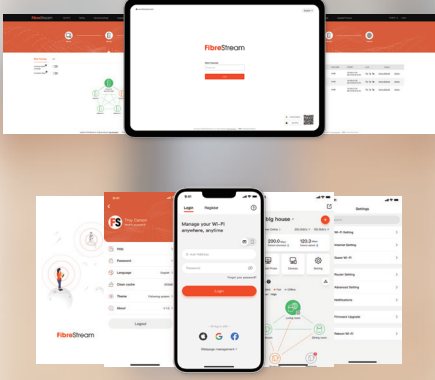
More than Wi-Fi

Coming Soon

MerckuOS with SmartLinks Integrations.
Your Router. Infinite Applications.

SmartLinks

Infinite Customization

Your Brand in Every House.
Full Suite of Software & Hardware Customization.

Eco-Friendly Packaging

FSC Certified Packaging Materials.
Sutainably Packaged Units.

FSC

Hardware Features

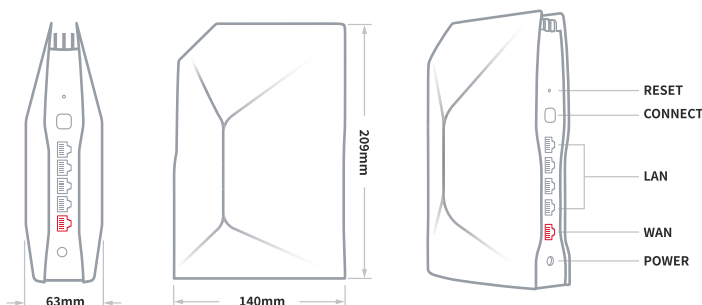|	
Chipset	MediaTeK (1.3GHz, Dual-core)
Flash	4Gb NAND
RAM	512MB DDR4
Ports	1 x 2.5Gbps WAN Port 4 x 1Gbps LAN Ports
Reset Button	1
Connect Button	1
LED	1
Power Supply	DC 12V / 1.5A 100-240V 50 / 60Hz DC 54V / 2A (POE++) 100-240V 50 / 60Hz
Dimensions	140 (L) x 63 (W) x 209 (H) mm
Color	Snow White / Beige Gray / Cosmo Black

Network Management

TR-069/TR-143/TR-111 TR-181/TR-369	Yes
Remote Shell	Yes
Web WAN Access	Yes
NOC	Mercku proprietary

Smart Wi-Fi

Channel	Manual / Auto
Channel Width	20 / 40 / 80 / 160MHz
Smart Connect	Yes
Mobile App	iOS / Android
Parental Controls	Yes (limits, scheduling, blocking, etc.)

Advanced Wi-Fi

Mesh standard	EasyMesh
Tx Beamforming	Yes
Band Steering	Yes
AP Steering	Yes
Client Steering	Yes
DFS	Yes

Wireless Features

Wireless Rates	2.4G – 574Mbps 2 x 2 5G – 2402Mbps 3 x 3
2.4 GHz	2T x 2R (IEEE 802.11b/g/n/ax)
5 GHz	2T x 2R (IEEE 802.11a/n/ac/ax)
Antenna	High-performance WHEMS
Antenna Gain	2.4GHz: 3.5 dBi 5GHz: 6 dBi

Security

Encryption	WPA / WPA2 / WPA3
VPN Client	PPTP / L2TP / OpenVPN / WireGuardVPN
VPN Passthrough	Yes
DMZ	Yes
WAN MAC Clone	Yes
Firewall	Yes
Guest Wi-Fi	Yes

Connection

WAN Access Mode	PPPoE / DHCP / Static IP
STA Access Mode	DHCP / Static IP
STA ACL	URL filter / Mac filter / Rate limit / Time limit
Internet Protocol	IPv4 / IPv6
DDNS	DynDNS / Oray
LAN DHCP Setting	LAN IP / IP pool / Lease
Static DHCP lease	MAC and IP binding

Basic Settings

Bridge Mode	Yes
System log	Yes
Customized DNS	Yes
Network Diagnosis	ping, traceroute, nslookup
Upgrade Firmware	Online / Offline
Time zone	Yes

RESET
CONNECT
LAN
WAN
POWER

209mm
63mm
140mm

TYPE A   **TYPE C**   **TYPE G**   **TYPE I**