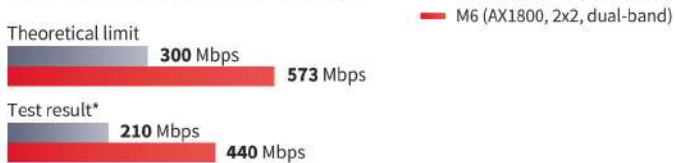# MERCKU

M6
AX1800 Wireless Dual-Band Mesh

Power your home with the most advanced Wi-Fi yet
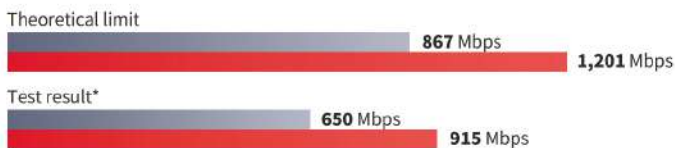
Why Wi-Fi 6?

4x Stream, work and play at the same time without affecting speed with 4 times better performance.

40% It's a Wi-Fi Formula 1 Racetrack, supporting up to 12 streams at once at faster speeds and 40% greater throughput.

Conserve device's power and lower battery consumption so you can stay connected, longer.

Throughput (Single 2.4 GHz channel)

■ M2 (AC1200, 2x2, dual-band)
■ M6 (AX1800, 2x2, dual-band)

Theoretical limit
- 300 Mbps
- 573 Mbps

Test result*
- 210 Mbps
- 440 Mbps

Throughput (Single 5 GHz channel)

Theoretical limit
- 867 Mbps
- 1,201 Mbps
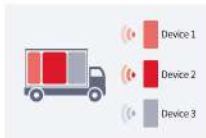
Test result*
- 650 Mbps
- 915 Mbps

The Mercku Advantage

WHEMS Antenna Design
Reduction in transmission loss due to signal distortions.

OFDMA
Highly efficient data channeling to multiple devices at once.

Device 1
Device 2
Device 3

Target Wake Time
Reduces your device's power and battery consumption.

TRIGGER
SLEEP
AWAKE
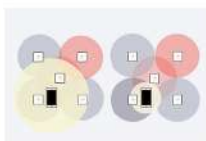
BSS Coloring
By adding an identifier to transmitted information, transmission efficiency is substantially increased.

M6 Router Specifications & Features
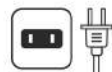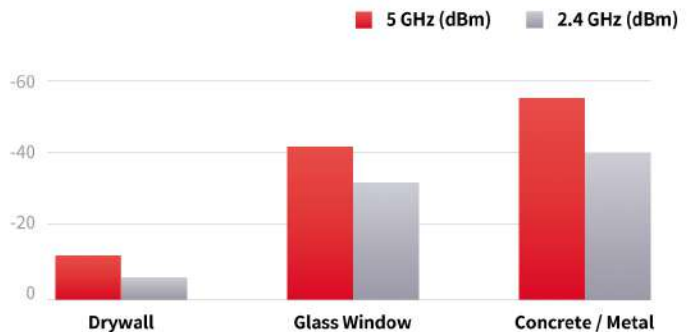
Wireless Rates	2.4 G – 573 Mbps 2x2 5 G – 1201 Mbps 2x2	**RAM**	512MB DDR3
2.4 GHz	2T x 2R (IEEE 802.11b/g/n/ax)	**Flash**	1Gb NAND
5 GHz	2T x 2R (IEEE 802.11a/n/ac/ax)	**AP**	Yes
Antenna	High-performance WHEMS	**Mesh**	Yes
CPU	Quad ARM Cortex A53 1.2 GHz	**Power**	DC 12V / 1.5A 100-240V 50/60Hz
Interface	1x 1000Base-T Ethernet WAN Port 2x 1000Base-T Ethernet LAN Port	**Dimensions**	140 (L) x 52.6 (W) x 206(H)mm
Features	EasyMesh, Smart Connect, Increase Mesh Coverage, Parental Controls, Channel Switching, Channel Width, VPN (PPTP/L2TP/OpenVPN), Guest Wi-Fi, Speed Test, Firewall Security, Bridge Mode, DHCP, DMZ, Port Forwarding, UPNP, QoS, Customized DNS, DDNS, Network Diagnosis, Band Steering, AP Steering		
ISP Exclusive	TR-069 remote management, NOC (Mercku's Network Operation Console)		

Mercku M6 Mesh Wi-Fi Open-Space Coverage (ft²)

Number of M6	x1 **3,000**	x2 **4,500**

*Obstacles such as furniture or building material will cause Wi-Fi signal attenuation.

■ 5 GHz (dBm) ■ 2.4 GHz (dBm)

Drywall | Glass Window | Concrete / Metal

TYPE A TYPE C TYPE G TYPE I

www.mercku.com | connect@mercku.com | #MerckuM6

CONFIGURING YOUR NETWORK JUST GOT SIMPLER WITH EASYMESH

- Provide the true backbone for your smart home with the Mercku M6's convenient installation and modularity, bringing Wi-Fi 6 to every corner of your unique home

- Build on your existing Wi-Fi 6 network with Mercku's new EasyMesh support

360° NETWORK MANAGEMENT

- Put the power back in your hands anytime, anywhere with our convenient app

- Mercku's Web UI guarantees the most secure Wi-Fi connectivity, speeds, and performance right at your fingertips

Faster Throughput

Wi-Fi 6 boasts tremendous speeds, backed by Mercku's proprietary technology

Beautiful Design

Integrates seamlessly with your decor, envisioned by our award-winning design team

Device Capacity

Enhanced MU-MIMO capabilities increases the number of simultaneous device connections

Superior Range

Mercku's proprietary technology, combined with the power of Wi-Fi 6, brings better connectivity to any space

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