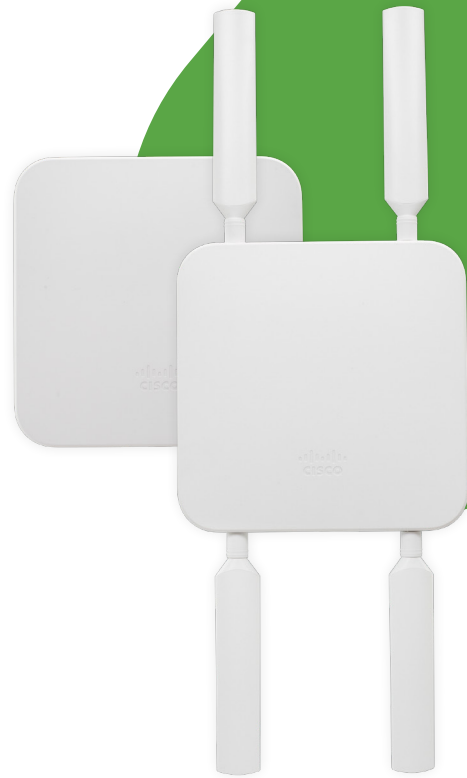




FAMILY DATASHEET

MG Fixed Wireless Access Devices

Cisco cloud-managed fixed wireless access devices

Overview

Cisco MG fixed wireless access devices transpose a cellular signal into wired WAN Ethernet connectivity, enabling high-speed, always-on fixed wireless access for business-critical operations in any location. Enterprise networking teams use MG cellular gateways to connect branch and campus networks in the simplest manner. Part of a modern, platform-based approach to secure networking, MG cellular gateways combine with MX security and SD-WAN appliances to secure users and infrastructure while maintaining optimal network performance.

Quick and easy to deploy

Get fixed wireless access connectivity up and running quickly with true zero-touch provisioning. Ensure your device has the latest firmware with schedulable or automatic updates. MG cellular gateways can instantly provision primary cellular connectivity across thousands of sites at once without waiting on broadband or any change in infrastructure, enabling faster business expansion.

Centrally manage at scale

MG devices are 100% cloud-managed through the Meraki platform. This means managing, architecting, and scaling organizations' networks can be done remotely, making the MG ideal for distributed branches, campuses, or data center locations. Easily add MG to your existing network with ease, though it works best with a full-stack MX-based Meraki network. Deploy, provision, view, and manage all of your Meraki devices in a single platform view.

Super-fast 5G-powered SD-WAN

With up to multigigabit-level cellular connectivity, businesses can rely on the MG family of devices for a consistent experience 24/7/365 to increase business uptime and network resilience.

The MG allows businesses to confidently deploy fixed wireless access (FWA) at sites where there's no broadband coverage, the carrier coverage is initially unknown, or there's a varying level of availability and network reliability from multiple regional carriers.

The best way to connect with 5G fixed wireless access

A network is only as good as its infrastructure, and the MG integrates deeply with the rest of the Meraki stack to provide cellular WAN connectivity to your network.

Self-configuring for primary or backup cellular

If a certified carrier SIM card is inserted, the MG cellular gateway will bring up the cellular connection and automatically connect to the Meraki cloud, download its configuration, and join your network.

Moreover, the MG is capable of powering your entire network. Designed for optimal performance with an integrated cellular modem, the MG is your reliable cellular gateway to primary or secondary WAN connectivity.

Industry-leading cloud management

Meraki's award-winning cloud-management architecture unifies LAN and management under a web-based dashboard and scales easily from small to large multi-site deployments with tens of thousands of devices. The Meraki dashboard provides intuitive yet powerful role-based administration, firmware updates, configuration changes, email alerts, and easy-to-audit change logs.



MG family at-a-glance

	MG21	MG21E	MG41	MG41E	MG51	MG51E	MG52	MG52E
								
Best suited for	Failover connectivity		Critical failover or primary connectivity		Primary connectivity		Future-ready advanced primary connectivity	
Examples	Branch failover		Pop-up locations, emergency services		Branch primary, high criticality application support		Branch primary or campus, high criticality application support	
Cellular technology	4G LTE Advanced		4G LTE Advanced Pro		5G Non-Standalone (NSA)		5G Standalone (SA)	
Radio	Single modem, single radio (Single SIM, single standby)							
Private cellular network support	Private 4G				Private 5G with 4G core		Private 5G with native 5G core	
Modem	Cat 6		Cat 18		5G NSA		5G SA	
Throughput (download/upload)	300 Mbps / 50 Mbps		1.2 Gbps / 150 Mbps		2 Gbps / 300 Mbps			
SIM profiles	2 (active/passive)							
SIM slots (4FF “nano”)	1		2				Physical SIM: 2 Cloud-managed eSIM: 1	
Antenna	Internal	External	Internal	External	Internal	External	Internal	External
Power options	DC or PoE							
Ports	1 × 1 GbE port (PoE) 1 × 1 GbE port (non-PoE)		2 × 1 GbE port (PoE)		2 × 2.5 GbE port (PoE)			
Water resistance	IP67							
Weight	489 g	497 g	670 g	670 g	560 g	717 g	560 g	717 g
Dimensions (device)	160.5 x 160.5 x 34.5 (mm) 6.3 × 6.3 x 1.4 (in)	165.7 x 160.5 x 34.5 (mm) 6.5 × 6.3 x 1.4 (in)	168 × 168 x 35 (mm) 6.6 × 6.6 x 1.4 (in)	168 × 168 x 35 (mm) 6.6 × 6.6 x 1.4 (in)	173 × 173 x 36.5 (mm) 6.8 × 6.8 x 1.4 (in)	173 × 173 x 36.5 (mm) 6.8 × 6.8 x 1.4 (in)	173 × 173 x 36.5 (mm) 6.8 × 6.8 x 1.4 (in)	173 × 173 x 36.5 (mm) 6.8 × 6.8 x 1.4 (in)

MG family at-a-glance

	MG21	MG21E	MG41	MG41E	MG51	MG51E	MG52	MG52E
								
Dimensions (external antennas)	-	129 × 19.5 x 12.3 (mm) 5 × 0.8 x 0.5 (in)	-	144 × 26.5 x 12.3 (mm) 5.7 × 1 x 0.5 (in)	-	144 × 26.5 x 12.3 (mm) 5.7 × 1 x 0.5 (in)	-	144 × 26.5 x 12.3 (mm) 5.7 × 1 x 0.5 (in)
Power supply	12V/1A, 48-57V DC/0.35A							
Operating temperature	-22°F to 122°F (-30°C to 50°C)							
Humidity	5% to 95% non-condensing							
Device management	Meraki dashboard (GUI) API							
Provisioning	True zero-touch provisioning							
WAN service out of the box	- instant bootstrap data							
Firmware management	Automatic and scheduling control							
Full-stack capabilities that complement MG	SD-WAN Security with next-generation firewall Access IoT Switching							
Remote diagnostics	Email, SMS, and mobile push notification alerts Ping, trace route, cable testing, and link failure detection with alerting Remote packet capture Combined event and configuration change logs with instant search DM logging via local status page							
Mounting options	Mount anywhere: Ceiling, wall, or pole with all-in-one mounting bracket included							
IPv4v6	✓		✓		✓		✓	
5G with LTE Failover	×		×		✓		✓	

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IP passthrough	×		✓		✓		✓	
Dual SIM/auto SIM failover	×		✓		✓		✓	
FirstNet band 14 compatible	×		✓		✓		✓	
Signal strength info and graphs	✓		✓		✓		✓	
Band information	✓		✓		✓		✓	
Custom APN configuration	✓		✓		✓		✓	
Auto APN configuration	✓		✓		✓		✓	
Included in box	MG device (1) Mounting plate (1)	MG device (1) Mounting plate (1) Dipole external antennas (2)	MG device (1) Mounting plate (1)	MG device (1) Mounting plate (1) Dipole external antennas (4)	MG device (1) Mounting plate (1)	MG device (1) Mounting plate (1) Dipole external antennas (4)	MG device (1) Mounting plate (1)	MG device (1) Mounting plate (1) Dipole external antennas (4)
Compatible accessories	Low-voltage power adapter MA-ANT-C1-B cellular patch antenna for MG21 MA-ANT-C1-A external cellular dipole antennas for MG21 MA-PWR-30W-XX standard power adapter (regional plugs per SKU) MA-INJ-4 gigabit 802.3at PoE injector MA-ANT-C2-A external cellular dipole antennas included with MG41E, MG51E MA-ANT-C2-B available for MG52E MA-ANT-DUAL-C1 cellular patch antenna for the MG41E, MG51E (boost signal gain for remote locations far from a tower)							
Warranty	Full lifetime hardware warranty with next-day advanced replacement included							

MG family at-a-glance

	MG21	MG21E	MG41	MG41E	MG51	MG51E	MG52	MG52E
								
Carrier certifications	AT&T, Verizon, T-Mobile, and more							
Other certifications	PTCRB (U.S.), RCM (ANZ, APAC), GCF (EU)							
Band compatibility	Link to list of compatible bands							

Subscription Licensing

Every MG subscription is available for any term length starting from 1 year up to 10 years, for more information see our [SKU list and feature highlights](#).

For more information on subscription licensing, please visit our [Licensing Overview](#).

To learn more,
visit Meraki.com