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bouchecousue
conseil en informatique

BoucheCousue est une société de conseil en informatique basée à Paris et **revendeur agréé Cisco Meraki** depuis 2011.

Si vous avez des questions, un projet réseau pouvant bénéficier de la solution & des produits Cisco Meraki, **n'hésitez pas à nous contacter :**

hello@bouchecousue.com mais également par téléphone : +33 1 83 62 52 34

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Notre site: <https://bouchecousue.com>

Meraki MR11

Datasheet



High performance on a budget for demanding office environments

The Evolution of the Enterprise Access Point

The Meraki MR11 is a dual-band, 802.11n access point designed to provide high-speed, reliable, and cost-effective wireless coverage in indoor environments. The MR11 delivers the high throughput and advanced features required by the most demanding business applications, including voice and streaming video.

High performance is delivered through a dual-band 802.11n radio that can serve clients at speeds of up to 300 Mbps. MIMO technology plus advanced radio techniques like beam forming, maximal ratio combining, and expanded channel widths provide superior speed and more dependable coverage regardless of your deployment scenario. Combined with Meraki's Auto RF automated transmit power and channel planning, MR11 can deliver wire-like performance even in areas with many RF interference sources.

The MR11 is compatible with the Meraki Cloud Controller, which provides centralized management, authentication, monitoring, and performance optimization.

Product Highlights

- 802.11n MIMO provides up to six times a/b/g speeds with improved range and more reliable coverage
- Advanced noise filtering for improved range and speed
- Self-healing mesh operation
- Powered with energy-efficient 802.3af Power over Ethernet
- Sleek design with internal antennas that blends into office environments
- Easy and flexible installation options
- Rated for mounting in plenum spaces
- Fully integrated with the Meraki Cloud Controller

The Metric that Matters: ROI

Meraki's cloud-managed network architecture eliminates the need for expensive controller hardware and software, significantly reducing upfront capital expenditures. In addition, for areas where installing Ethernet or fiber cabling is cost-prohibitive, Meraki's mesh technology reduces upfront wiring costs. Also, the MR11's low, fully 802.3af-compliant power consumption means not having to pay to upgrade your switches. But most importantly, Meraki simplifies the network design process and allows even the largest networks to be managed by a single person from any web browser, substantially reducing the necessary expenditure on IT staff and consultants.

Plug-and-Play for Rapid Deployment

Since the MR11 is configured and controlled through the web-based Meraki Cloud Controller, creating a secure and sophisticated network takes just minutes. In addition, the MR11 features Meraki's award-winning, self-healing mesh technology, which can further reduce installation time by enabling rapid extension of your network into areas where laying Ethernet or fiber cabling would be impractical.

Ease of Management with Limited IT Resources

The Meraki Cloud Controller provides automatic, over-the-air firmware upgrades, hosted branding, and simplified authentication. Network administrators can also remotely monitor and configure their networks from any web-enabled device. The Meraki Cloud Controller also runs network-wide optimizations and frequency-planning to maximize capacity and throughput. With a global view of network health, the Meraki Cloud Controller automatically balances capacity to maximize client throughput across the network.

Recommended Use Cases

➤ High-Performance Networks

- Provides high-speed access to support bandwidth-intensive applications such as streaming video and audio
- The highest performance is achieved when each MR11 is connected to a wired Ethernet connection

➤ High User Density Networks

- Provide client access to large number of users per access point

➤ Networks in Challenging RF Environments

- Areas with high levels of RF noise
 - Buildings with large amounts of metal in the structure that can wreak havoc on a/b/g networks
-

Specifications

➤ Radio

- 802.11 a/b/g/n dual-band radio
- Auto-selection of optimal 2.4 GHz or 5 GHz frequencies
- Max radio rate 300 mbit/s
- Operating Bands:

FCC (US)	EU (Europe)
2.412-2.484 GHz	2.412-2.484 GHz
5.150-5.250 GHz (UNII-1)	5.150-5.250 GHz (UNII-1)
5.725 -5.825 GHz (UNII-3)	5.250-5.350, 5.470-5.725 GHz (UNII-2)

➤ 802.11n Capabilities

- 2 x 2 multiple input, multiple output (MIMO) with two spatial streams
- Maximal ratio combining (MRC)
- Beamforming
- 20 and 40 MHz channels
- Packet aggregation
- Cyclic shift diversity (CSD) support

➤ Power

- Power over Ethernet: 24 - 57 V (802.3af compatible)
- Power consumption: 8.9 W max; 6.0 W typical
- Power over Ethernet injector available separately

➤ Mounting

- Standard (all hardware included)
- Desktop
 - Wall mount
 - Ceiling tile rail (9/16, 15/16 or 1 1/2" flush or recessed rails)
 - Assorted cable junction boxes
 - Plenum spaces

➤ Physical Security

- Security screw included
- Kensington lock hard point
- Padlock hard point (Master Lock 120T or equivalent)

➤ Environment

- Operating temperature: 32° F to 104° F (0° C to 40° C)
- Humidity: 5 to 95% non-condensing

➤ Physical Dimensions

- 8.5" x 6.6" x 1.7" (216 mm x 168 mm x 43 mm) not including mount
- Weight: 27 oz (0.76 kg)

➤ Antenna

- Integrated omni-directional antennas
- Gain: 2 dBi @ 2.4 GHz, 4 dBi @ 5 GHz

➤ Interfaces

- 100/1000 Base-T (RJ45) with 48V DC 802.3af Power over Ethernet

➤ Security

- WEP, WPA, WPA2 (802.11i)
- TKIP and AES
- 802.1x
- VLAN tagging (802.1q)

➤ Quality of Service

- Wireless Quality of Service (WMM/802.11e)
- Advanced Power Save (U-APSD)

➤ LED Indicators

- 4 signal strength
- 1 Ethernet connectivity
- 1 power/booting/firmware upgrade status

➤ Regulatory

- FCC (US)
- IC (Canada)
- CE (Europe)
- IEC / EN60950-1
- UL2043 (Plenum rating)
- RoHS

➤ Certifications

- Wi-Fi Alliance

➤ Warranty

- Lifetime hardware warranty included

➤ Ordering Information

MR11-HW	Meraki MR11 Cloud-Managed Single-Radio 802.11n Access Point
POE-INJ-3-US	Meraki 802.3af Power over Ethernet Injector (US Plug)
POE-INJ-3-EU	Meraki 802.3af Power over Ethernet Injector (EU Plug)
POE-INJ-3-UK	Meraki 802.3af Power over Ethernet Injector (UK Plug)
POE-INJ-3-AU	Meraki 802.3af Power over Ethernet Injector (AU Plug)

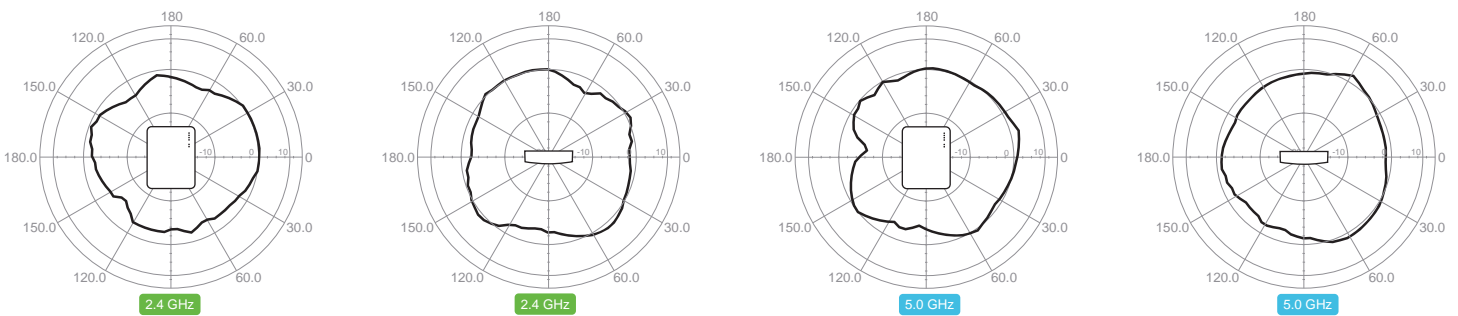
Note: Meraki Cloud Controller license required.

➤ RF Performance Table

Operating Band	Operating Mode	Data Rate	Max TX Power	RX Sensitivity
2.4 GHz	802.11b	1 Mb/s	18.4	-95
		2 Mb/s	19.4	-95
		5.5 Mb/s	19.9	-95
		11 Mb/s	19.9	-91
2.4 GHz	802.11g	6 Mb/s	22.6	-94
		9 Mb/s	22.7	-94
		12 Mb/s	22.7	-94
		18 Mb/s	22.8	-93
		24 Mb/s	22.7	-90
		36 Mb/s	21.6	-86
		48 Mb/s	20.5	-82
		54 Mb/s	18.5	-80
2.4 GHz	802.11n (HT20)	MCS0 HT20	20.6	-95
		MCS1 HT20	20.6	-94
		MCS2 HT20	20.6	-92
		MCS3 HT20	20.5	-89
		MCS4 HT20	20.5	-85
		MCS5 HT20	20.6	-81
		MCS6 HT20	18.7	-79
		MCS7 HT20	16.6	-78
		MCS8 HT40	20.1	-90
		MCS9 HT40	19.9	-90
2.4 GHz	802.11n (HT40)	MCS10 HT40	19.9	-89
		MCS11 HT40	19.9	-85
		MCS12 HT40	19.0	-83
		MCS13 HT40	19.2	-78
		MCS14 HT40	17.9	-77
		MCS15 HT40	15.9	-74
		6 Mb/s	20.4	-95
		9 Mb/s	20.5	-94
5 GHz	802.11a	12 Mb/s	20.5	-93
		18 Mb/s	20.5	-91
		24 Mb/s	20.4	-87
		36 Mb/s	19.6	-84
		48 Mb/s	18.6	-80
		54 Mb/s	16.2	-79
5 GHz	802.11n (HT20)	MCS0 HT20	19.7	-94
		MCS1 HT20	19.8	-92
		MCS2 HT20	19.7	-90
		MCS3 HT20	19.1	-86
		MCS4 HT20	19.1	-83
		MCS5 HT20	19.2	-80
		MCS6 HT20	18.1	-78
		MCS7 HT20	14.3	-76
5 GHz	802.11n (HT40)	MCS8 HT40	18.0	-91
		MCS9 HT40	18.0	-89
		MCS10 HT40	18.0	-87
		MCS11 HT40	17.9	-84
		MCS12 HT40	18.0	-81
		MCS13 HT40	18.0	-77
		MCS14 HT40	17.1	-76

*Maximum hardware capability shown above. Maximum transmit power is limited by local regulatory settings and is configurable in increments of 1 dBm through the Meraki Cloud Controller.

➤ Signal Coverage Pattern





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En autonomie:

- **Webinar** : Participez à un webinar Cisco Meraki en cliquant ici et recevez ultérieurement un équipement gratuit¹ (comme une borne WiFi, un switch)
- **Try & Buy** : Essayez le matériel Cisco Meraki gratuitement en cliquant ici. A la fin de votre essai vous pouvez décider de garder & acheter le matériel ou le renvoyer.

Avec notre accompagnement:

Contactez-nous par téléphone (+33 1 83 62 52 34) ou par email à hello@bouhecousue.com en nous précisant votre projet. Nous pourrions choisir ensemble le matériel adapté à votre besoin et vous le faire essayer.

Retrouvez aussi nos coordonnées postales sur cette page : <https://bouhecousue.com/contact/> si vous souhaitez convenir d'un rendez-vous.

¹ Nécessite l'éligibilité à des critères définis par Cisco Meraki, vérifiez que vous êtes éligible sur le site de Cisco Meraki