

Indoor wireless access point

Meter A1

Best for: High-demand indoor offices and shared spaces.

Full specifications

Radios	• Wi-Fi 7
	• Tri band operation with scanning radio
	• 6GHz radio
	  ◦ 802.11be, 802.11ax
	  ◦ 2×2 with two spatial streams
	  ◦ Supported channel width: 20MHz, 40MHz, 80MHz, and 160MHz
	  ◦ Supports extremely high throughput (EHT)
	• 5GHz radio
	  ◦ 802.11be with backward compatibility
	  ◦ 2×2 with two spatial streams
	  ◦ Supported channel width: 20MHz, 40MHz, 80MHz and 160MHz
	  ◦ Supports extremely high throughput (EHT)
	• 2.4GHz radio
	  ◦ 802.11be with backward compatibility
	  ◦ 2×2 with two spatial streams
	  ◦ Supported Channel width: 20MHz
	  ◦ Supports extremely high throughput (EHT)
	• 6GHz + 5GHz + 2.4GHz scanning radio
	  ◦ 802.11be with backward compatibility
	  ◦ 2×2 with two spatial streams
	  ◦ Omnidirectional antenna
	• 2.4 GHz IoT radio

Supported modulations	• 802.11b: BPSK, QPSK, CCK • 802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM • 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM • 802.11ax: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM • 802.11be: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM

Transmit power (maximum value governed by country regulations)	• United States (FCC)
	  ◦ 2.4 GHz: 31 dBm EIRP
	  ◦ 5 GHz: 33 dBm EIRP
	  ◦ 6 GHz: 26 dBm EIRP
	• European Union & United Kingdom (CE, UKCA)
	  ◦ 2.4 GHz: 19.5 dBm EIRP
	  ◦ 5 GHz: 29 dBm EIRP
	  ◦ 6 GHz: 22.5 dBm EIRP

Supported data rates (Mbps)	• 802.11b: Up to 11 Mbps
	• 802.11a/g: Up to 54 Mbps
	• 802.11n: Up to 300 Mbps (MCS0 to MCS15)
	• 802.11ac: Up to 1733 Mbps (MCS0 to MCS9, NSS=1 to 2)
	• 802.11ax:
	  ◦ 2.4GHz: Supports up to 286 Mbps (MCS0 to MCS11, NSS=1 to 2)
	  ◦ 5GHz: Supports up to 1200 Mbps (MCS0 to MCS11, NSS=1 to 2)
	• 802.11be:
	  ◦ 6GHz: Supports up to 2800 Mbps (MCS0 to MCS13, NSS=1 to 2)

Power source	• PoE+ In, 802.3at , Max power draw 30 W

Integrated antenna	• Wi-Fi
	  ◦ 2.4GHz: 4.7 dBi
	  ◦ 5GHz: 5.3 dBi
	  ◦ 6GHz: 6.2 dBi
	• Scanning Radio
	  ◦ 2.4GHz: 4.7 dBi
	  ◦ 5GHz: 5.3 dBi
	• IoT radio: 4.4 dBi

Networking interface	• 1× 2.5GbE (2.5G/1G/100M/10M) RJ-45
LED indicators	• 3 independent state LEDs (RGB+W)
Sensors	• Temperature, Humidity
Dimensions (W × D × H)	• 200 × 200 × 36 mm
Weight	• 812.6 g / 1.79 lbs (without accessories)
Operating	• Temperature: 0°C ~ 45°C • Humidity: 0% ~ 90% typical

Compliance standards	• USA (FCC)
	  ◦ EMC
	  ▪ Part 15B
	  ▪ Class B
	  ◦ Radio
	  ▪ Part 15C
	  ▪ Part 15E (LPI only for 6 GHz)
	• Canada (ISED)
	  ◦ EMC
	  ▪ ICES-003, Issue 7
	  ▪ Class B
	  ◦ Radio
	  ▪ RSS-247
	  ▪ RSS-248
	• EU (CE, RED)
	  ◦ EMC
	  ▪ EN 61000-6-1
	  ▪ EN 301 489-1
	  ▪ EN 301 489-17
	  ▪ EN 55032
	  ▪ EN 55035
	  ▪ EN 61000-3-2
	  ▪ EN 61000-3-3
	  ◦ Radio
	  ▪ EN 300 328 v2.2.2
	  ▪ EN 301 893 v2.1.1
	  ▪ EN 303 687 v1.1.1
	  ▪ EN 50385:2017
	  ◦ Security
	  ▪ EN 18031-1:2024
	  ▪ EN 18031-2:2024
	• UK (UKCA, OFCOM)
	  ◦ UKCA, OFCOM
	• Australia & New Zealand (RCM, ACMA)
	  ◦ EMC
	  ▪ CISPR32
	  ◦ RF
	  ▪ AS/NZS 4268

Safety and restricted materials	• CB
	  ◦ EN IEC 62368-1 edition 3
	  ◦ AS/NZS 62368.1
	• UL/CSA
	  ◦ UL 62368-1 edition 3
	• RoHS
	  ◦ EN IEC 63000:2018

IoT Radio	• Capability coming soon with software upgrade