Access Networks A370

Indoor Wi-Fi 7 (802.11be) Access Point with 3.57 Gbps Data Rate

Facilities of any size can face significant demands on their wireless infrastructure. Guests staying in a motel, employees working from a small office, or individuals connecting to a public hotspot, often use the same high-bandwidth applications and content as they would anywhere else—and they expect fast and reliable connectivity. How do you deliver enterprise class wireless connectivity at a cost that remains accessible to even the most budget-conscious organizations?

The Access Networks A370 offers dependable, high-performance Wi-Fi 7 (802.11be) networking in a compact form factor. Equipped with patented technologies for optimizing performance and reducing interference—just like our top-tier access points—it ensures exceptional user experiences. With a low profile design, it's tailored for smaller venues while keeping costs affordable.

The A370 is an ideal choice for lower-density environments with less coverage areas including small and medium-size economy hotels and motels, small and medium-size businesses, retail locations, restaurants, and multi-tenant small offices, student housing and branch offices.

The Access Networks A370 is a dual-band concurrent indoor Wi-Fi 7 AP that delivers 4 spatial streams (2x2:2 in 2.4GHz, 2x2:2 in 5GHz) and supports Wi-Fi 7 features, offering class leading performance with a combined data rate of 3.57 Gbps. Furthermore, a 2.5 Gbps Ethernet port minimizes wired backhaul bottleneck for full use of available Wi-Fi capacity.

Benefits

Cost effective solution for facilities of any size

The A370 Wi-Fi 7 (802.11be) access point (AP) is a cost effective solution that can deliver fast and reliable enterprise class Wi-Fi services to up to 256 client devices with up to 16 SSIDs per A P.

Industry leading Wi-Fi performance

Patented technologies for performance optimization and interference mitigation delivers superior user experience.

Small size, minimal visual impact

With a compact, low-profile design, its discreet form factor enables placement in visually sensitive areas such as hotel rooms, classrooms, or small offices.

Mesh networking*

Dynamically create self-forming, self-healing network mesh with patented SmartMesh technology reducing expensive cabling, and complex configurations by checking a box.

Multiple unified management options

Manage the A370 with ARCC Cloud-Based Controller or OvrC® management with Unleashed option.

Keep existing switches and cables

Designed to operate on existing PoE switches and CAT 5e cabling to minimize costly power infrastructure upgrades.

2.5 GbE port minimizes wired backhaul bottleneck

Multi-gigabit Wi-Fi performance delivered through the built-in 1/2.5Gbps Ethernet port to connect to multi-gigabit switches

* Supported in a future update

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Beyond Wi-Fi

The A370 Wi-Fi 7 AP incorporates patented technologies such as:

- ChannelFly® dynamically finds the least congested Wi-Fi channels to improve AP throughput
- AI-driven Radio Resource Management operates in the cloud, constantly monitoring the network for any radio interference and automatically adjusting radio settings and resources to maximize Wi-Fi performance
- Adaptive Wi-Fi Cell Sizing dynamically adjusts the size of Wi-Fi cells in real-time to maximize performance and capacity in high-density areas.
- SmartCast technology optimizes traffic management on Wi-Fi networks for multimedia, applications like video and voice.

Whether you are deploying ten or ten thousand access points, the A370 is also easy to manage with either OvrC or ARCC.

OvrC® Integration for Unleashed Access Networks Access Points

OvrC is a free, cloud-based remote management platform created by Snap One that empowers professionals to configure, manage, and troubleshoot devices across a network seamlessly. By combining high-performance, reliable hardware with the power of OvrC, the Access Networks® Unleashed Access Points provide a comprehensive solution for your networking needs. Enjoy streamlined setup, easy scalability, enhanced remote management capabilities, and more.

Access Networks Unleashed Access Points are also now available through theend-user OvrC Connect app.

Network Control Meets the Cloud for Smart, Secure, & Scalable Connections

ARCC (Advanced Resilient Cloud Controller) is an award-winning cloud-based solution for managing wireless systems utilizing Access Networks and other compatible access points. Experience simplified deployment, enhanced network control, and advanced customization tools that save time, create business efficiency, and support remote servicing. With enterprise management capabilities, recurring revenue generation, automatic firmware updates, increased visibility for troubleshooting, and more, ARCC gives partners comprehensive features and pre-configurations for greater control in a simplified, all-in-one platform.

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Antenna Patterns

The A370 provides an ideal combination of features and performance for smaller environments at a price any business can afford.

A370 Access Point antenna pattern

Access Networks superior antenna technology enables the best possible connection with every devices, delivering better Wi-Fi coverage and reduced RF interference .

Fig 1. 2.4GHz Azimuth Antenna Patterns

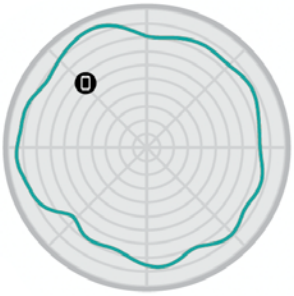


Fig 2. 5 GHz Azimuth Antenna Patterns

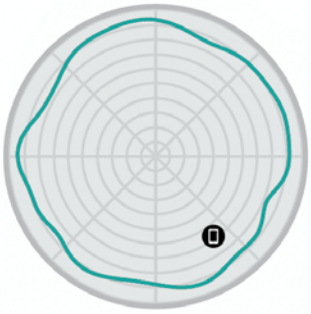


Fig 3. 2.4GHz Elevation Antenna Patterns

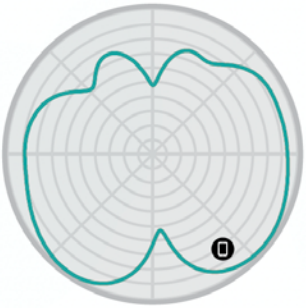
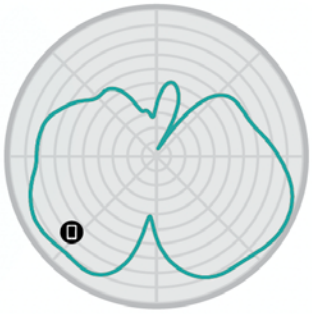


Fig 4. 5GHz Elevation Antenna Patterns



Access Networks A370

Specifications

WI-FI	
Wi-Fi Standards	• IEEE 802.11a/b/g/n/ac/ax/be
Supported Rates	• 802.11be: up to 3.57 Gbps • 802.11ax: 4 to 1774 Mbps • 802.11ac: 6.5 to 867 Mbps • 802.11n: 6.5 Mbps to 300 Mbps (MCS0 to MCS15) • 802.11a/g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps • 802.11b: 11, 5.5, 2 and 1 Mbps
Supported Channels	• 2.4GHz: 1-13 • 5GHz: 36-64, 100-144, 149-165
MIMO	• 2x2 SU-MIMO • 2x2 MU-MIMO
Spatial Streams	• 2 streams SU/MU-MIMO 5 GHz • 2 streams SU/MU-MIMO 2.4 GHz
Radio Chains and Streams	• 2x2:2 (5 GHz) • 2x2:2 (2.4 GHz)
Channelization	• 20, 40, 80, 160 MHz
Security	• WPA-PSK, WPA-TKIP, WPA2, WPA3-Personal, WPA3-Enterprise, AES, WPA3, 802.11i, Dynamic PSK • WIPS/WIDS
Other Wi-Fi Features	• WMM, Power Save, Tx Beamforming, LDPC, STBC, 802.11r/k/v, MBO • Hotspot, Hotspot 2.0 • MLO (Multi-link operation), Preamble Puncturing • Web Authentication, Guest Access • Captive Portal • WISPr

RF	
Antenna Gain (max)	• Up to 4dBi
Peak Transmit Power *(Aggregate across MIMO chains)*	• 2.4GHz: 23 dBm • 5GHz: 23 dBm
Frequency Bands	• ISM (2.4-2.484GHz) • U-NII-1 (5.15-5.25GHz) • U-NII-2A (5.25-5.35GHz) • U-NII-2C (5.47-5.725GHz) • U-NII-3 (5.725-5.85GHz)

2.4GHZ RECEIVE SENSITIVITY (dBm)

HT20		HT40		VHT20		VHT40	
MCS0	MCS7	MCS0	MCS7	MCS0	MCS7	MCS0	MCS7
-97	-78	-94	-75	-97	-78	-94	-75
HE20/EHT20				**HE40/EHT40**			
MCS0	MCS7	MCS9	MCS13	MCS0	MCS7	MCS9	MCS13
-97	-78	-73	-82	-94	-75	-71	-59

5GHZ RECEIVE SENSITIVITY (dBm)

HT20/VHT20				HT40/VHT40				HT80/VHT80			
MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9
-97	-78	-75	-73	-94	-75	-73	-70	-92	-73	-70	-67
HE20/EHT20				**HE40/EHT40**				**HE80/EHT80**			**HE160/EHT160**
MCS0	MCS9	MCS13		MCS0	MCS9	MCS13		MCS0	MCS9	MCS13	MCS0	MCS9	MCS13
-97	-73	-62		-94	-70	-59		-92	-67	-55	-89	-64	-52

2.4GHZ TX POWER TARGET (PER CHAIN)	
Rate	**Pout (dBm)**
MCS0, HT20	20
MCS7, HT20	17
MCS9, VHT20	15
MCS11, HE40	13
MCS13, EHT40	11

5GHZ TX POWER TARGET (PER CHAIN)	
Rate	**Pout (dBm)**
MCS0, HT20	20
MCS7, HT20	17
MCS9, VHT80	15
MCS11, HE160	13
MCS13, EHT160	11

PERFORMANCE AND CAPACITY	
Peak PHY Rates	• 2.4GHz: 688 Mbps • 5GHz: 2.882 Gbps
Client Capacity	• Up to 256 clients per AP
SSID	• Up to 16 per AP (8 per band)

RADIO MANAGEMENT	
Antenna Optimization	• Polarization Diversity with Maximal Radio Combining (PD-MRC)
Wi-Fi Channel Management	• ChannelFly • Background Scan Based
Client Density Management	• Adaptive Band Balancing • Client Load Balancing • Airtime Fairness
SmartCast Quality of Service	• QoS-based scheduling • Directed Multicast • L2/L3/L4 ACLs
Mobility	• SmartRoam
Diagnostic Tools	• SpeedFlex

Product owner is responsible to abide by the country of deployment spectrum regulations when configuring and deploying this product/device. AP operates as per local regulations via country regulatory domain.

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Specifications

NETWORKING	
Controller Platform Support	• ARCC • Unleashed
Mesh	• SmartMesh™ wireless meshing technology. Self-healing Mesh
IP	• IPv4, IPv6
VLAN	• 802.1Q (1 per BSSID or dynamic per user based on RADIUS) • VLAN Pooling • Port-based
802.1x	• Authenticator & Supplicant
Policy Management Tools	• Access Control Lists • Device Fingerprinting • Rate Limiting • Application Recognition and Control

PHYSICAL INTERFACES	
Ethernet	• 1 x 2.5 GbE port, RJ-45
DC Power	• 48V DC Power Jack
USB	• 1 USB 2.0 Port, Type A (up to 3W power delivery)

PHYSICAL CHARACTERISTICS	
Physical Size	• 15.0(L) x 15.0(W) x 3.80(H) cm • 5.9(L) x 5.9(W) x 1.5(H) in
Weight	• 390g (13.76 oz)
Mounting	• Wall, Drop ceiling, Desk • Bracket (902-0120-000 sold separately)
Physical Security	• Hidden latching mechanism
Operating Temperature	• 0 °C (32 °F) to 40 °C (104 °F)
Operating Humidity	• Up to 95%, non-condensing

POWER

Power Supply	Capabilities	Max Power Consumption
DC Input 48VDC **802.3at PoE+**	*Full Functionality* • 2.4GHz radio: 2x2, 20 dBm Tx Pwr • 5GHz radio: 2x2, 20 dBm Tx Pwr • USB enabled	20W
802.3af PoE	• 2.4GHz radio: 2x2, 14 dBm Tx Pwr • 5GHz radio: 2x2, 14.5 dBm Tx Pwr • USB disabled	12.94W

CERTIFICATIONS AND COMPLIANCE	
Wi-Fi Alliance*	• Wi-Fi CERTIFIED™ a, b, g, n, ac • Wi-Fi CERTIFIED 6™ • Wi-Fi CERTIFIED 7™* • WPA2™ -Enterprise, Personal • WPA3™ -Enterprise, Personal

ORDERING INFORMATION	
ANU-A370-US02 **UM-ANUA370US02**	• A370 dual-band (5GHz and 2.4GHz concurrent) 802.11be Entry-Level wireless access point (up to 256 concurrent clients), 2x2:2 streams (2.4GHz/5GHz), PoE support. Does not include power adaptor or PoE injector. Includes Limited Lifetime Warranty and expert support.

Warranty: Sold with a Limited Lifetime Warranty.

OPTIONAL ACCESSORIES	
902-1180-US00	• Multigigabit PoE injector 2.5/5/10-BaseT (60W)
902-1170-US00	• Power Adapter (48V, 0.75A, 36W)
902-0120-0000	• Spare, Accessory Mounting Bracket

PACKAGING DIMENSIONS AND WEIGHT	
Package Size	• 15.6(L) x 17.8(W) x 7.2(H) cm
Package Weight	• 1.19 lbs

* For complete list of WFA certifications, please see the Wi-Fi Alliance website.