



Netbridge Airjet 2N-ac

A 2.4/5GHz Dual-Radio 802.11ac Outdoor Access Point

The **W00000000000000000000** is an outdoor Wi-Fi access point with integrated 2.4/5GHz 2x2 MIMO radios, boasting output power of 29dBm. The Gigabit Ethernet port with 802.3af/at support allows users to power the device using PoE switches.

The **Mdaqhcf d Hmehmhsx 1M, b** is specifically designed for cost-efficient, yet professional outdoor hotspot scenarios, including campsites, hospitality, education, public Wi-Fi, and many more.

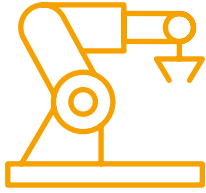
The IP67-rated enclosure, integrated surge protection, and professional mounting brackets ensure continuous operation even in the harshest of weather conditions.



In inity Controller

The Ininity Controller is an intuitive product and network management platform for your Hmehmhsx devices. It allows easy, simple, and fast network installation, configuration, and control, all of which can be performed using a web browser.

The Controller also facilitates network maintenance and expansion by automating these processes. The management platform can function as an integrated controller or as an external one (i.e. Ininity Cloud Controller), thus serving as an optimal solution for setting up and managing networks of any size.



Automated Device Onboarding

Automated device onboarding (ADO) is the process of automatically setting up Infinity access points that are introduced to the network. Not only does ADO eliminate the discrepancies caused by manual setup, but it also simplifies the deployment process and saves valuable time.

Automated device onboarding requires one-time configuration of the Cloud AP, after which the settings are automatically applied to all Infinity access points that are newly-connected to the network using a physical connection.



Flexible Network Scaling

The External Infinity Controller is designed with various types of networks in mind, whether they contain just a few access points or thousands of them.

Networks can be categorized into different logical groups (up to 4 layers) based on geographical location, service type, company branch, or other criteria. Each group can have different configurations assigned to them and access points can easily migrate between networks.

Furthermore, the External Infinity Controller (installed on customer premises) supports multiple organizations simultaneously (many network owners).



Pay as You Grow

A cloud-based Infinity Controller account is free and supports a network of up to 10 Infinity wireless access points, but can be expanded as the business grows. Learn more about the paid version [here](#).



IP Session Logging

Infinity access points allow users to track and log end-user credentials (source/destination IPs and ports, MAC address, etc.) on the Internet, thus allowing a safer and transparent Internet service.



Predefined Scenarios for Your Applications

The Infinity Controller provides an array of features, collectively forming the optimal solution for multiple scenarios, e.g. a complete any-size office access point network, small café or shop hotspot, and an Easy Mesh application, which is popular among small hotels, schools, and hospitals.



Easy Mesh

Easy Mesh is Netbridge's solution to wireless network coverage expansion and device configuration automation. This feature is designed for the Infinity Series (as well as Airjet devices utilizing Infinity firmware) and is only available on the External Infinity Controller.

The Infinity Controller allows users to set up an Easy Mesh network in a plain and simple way: just have at least one LAN-connected AP, create a new Easy Mesh network, assign devices to it, and you are good to go!



Proximity

Netbridge access points have an integrated mobile device detection feature. This means that any device within range can be logged using the MAC address and date/time without any user interaction.

The data is exported in real time and can be used to improve the services of an enterprise or managed service provider by importing them into proprietary applications for analytics and insights. An API is available upon request.

Our website provides information on Netbridge's technological partners that are using this functionality. Several of our technological partners are already using this functionality.

Technical Specifications

Wireless

| | |
|----------------------|--|
| WLAN Standard | IEEE 802.11a/b/g/n/ac |
| Radio Mode | Dual 2×2 MIMO |
| Radio Frequency Band | 2.402–2.482GHz (Country-Dependent) 5.150–5.850GHz (Country-Dependent) |
| Transmit Power | 2.4GHz: 29dBm @ MCS0 5GHz: 29dBm @ MCS0 |
| Channel Size | 20, 40, 80MHz |
| Modulation Schemes | 802.11ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK) 802.11a/g/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11b: DSS (CCK, DQPSK, DBPSK) |
| Data Rates | 802.11ac @ 80MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65Mbps 802.11n @ 40MHz: 300, 270, 240, 180, 120, 90, 60, 30Mbps 802.11a/g @ 20MHz: 54, 48, 36, 24, 18, 12, 9, 6Mbps 802.11b @ 20MHz: (11, 5.5, 2, 1Mbps) |
| Duplexing Scheme | Time Division Duplex |
| Wireless Security | WPA/WPA2 (TKIP/AES) Personal, WPA/WPA2 (TKIP/AES) Enterprise, WACL, Hotspot (UAM) |

Antenna

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|------|--|
| Type | N-Type Connectors for External Antenna |
| Gain | Antenna-Dependent |

Wired

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|-----------|------------------------------|
| Interface | 1× 10/100/1000 Base-T, RJ-45 |
|-----------|------------------------------|

Networking

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|-----------------|---|
| Operating Mode | Bridge, Router IPv4 and IPv6 |
| Management IPv4 | Static, Dynamic |
| Management IPv6 | Static, Dynamic Stateless, Dynamic Stateful |
| Secondary IPv4 | Supported |
| VLAN | 802.1Q for Management and Data |
| Virtual SSID | 8 per radio |
| Band Steering | Supported |

Traffic Management

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|------------------------|-----------|
| Client Isolation | Supported |
| Wi-Fi Multimedia (WMM) | Supported |
| Multicast Enhancement | Supported |
| Concurrent Clients | 256 |

Services

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|--------------------|--|
| Services | SNMP Server, NTP Client, System Alerts |
| Discovery Services | Bonjour, CDP/LLDP, SSDP |

Power

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|-------------------|--|
| Power Method | 802.3af/at with Passive PoE (48–56V) Support |
| Power Supply | 100–240VAC to 48VDC PoE (Included) |
| Power Consumption | 16W |

Physical Specifications (excl. Mount & Connected Antennas)

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|------------|--------------------------------|
| Dimensions | 199mm × 228mm × 47mm |
| Weight | 1.3kg (2.86lbs) |
| Mounting | Pole Mounting Bracket Included |

Environmental Specifications

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|------------------------------------|--------------------------------|
| Outdoor Ingress Protection Rating: | IP67 |
| Operating Temperature | –40°C (–40°F) ~ +65°C (+149°F) |
| Humidity | 0~90% (Non-Condensing) |

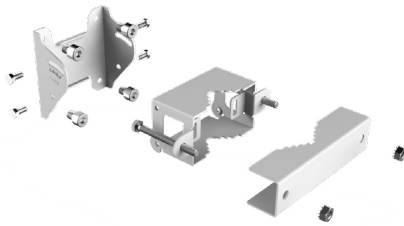
Management

System Monitoring via SNMP v1, Full Management via External NFT Controller

Regulatory

| | |
|---------------|----|
| Certification | CE |
|---------------|----|

Package Contents



1x

NFT Blizzard 2ac-N Device

1x

Device Mount



1x

48V DC Passive PoE with AC Cable

1x

Quick Instruction Guide

