

Overview

HPE Aruba Networking 100 Series Cellular Bridge

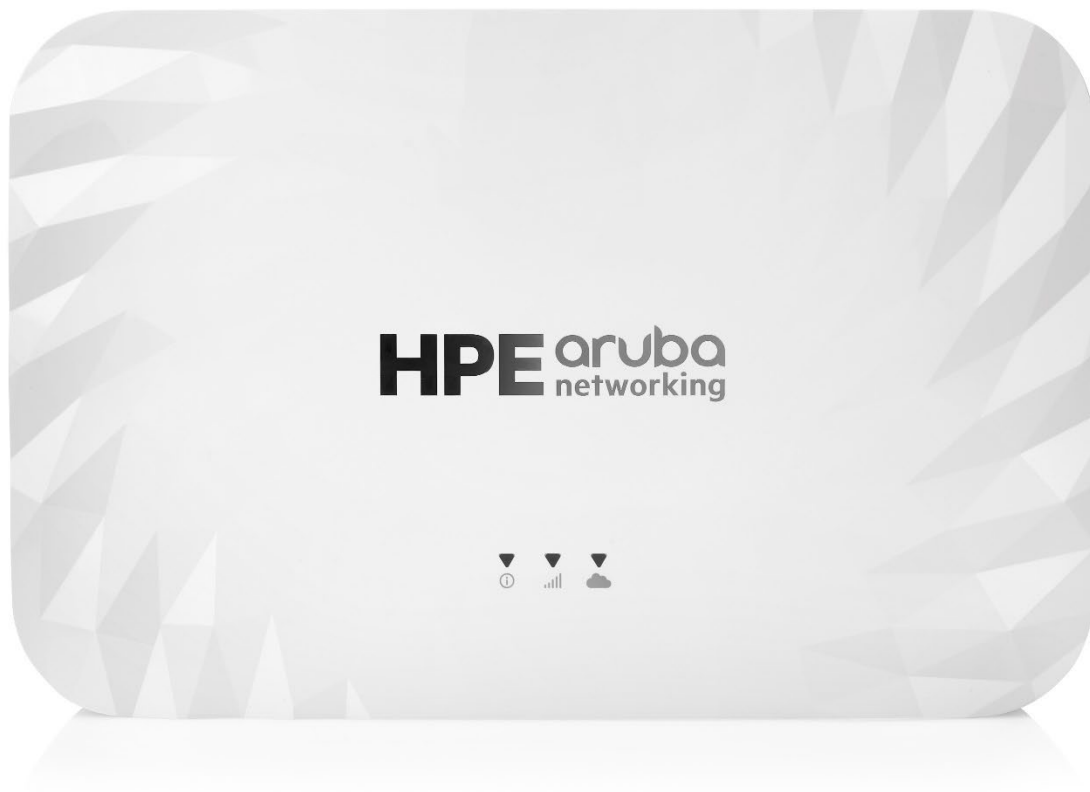
Cloud-managed 5G cellular wireless bridge for fast, reliable 5G connectivity

Designed for primary or backup cellular WAN connectivity, the HPE Aruba Networking 100 Series Cellular Bridge provides fast and reliable 5G fixed wireless access for mission-critical use cases. Ideal for remote locations, branch offices, and pop-up sites, this Cellular Bridge3 supports 5G across major public and private cellular including CBRS, enabling reliable internet services with choice of connectivity.

The HPE Aruba Networking 100 Series Cellular Bridge* is ready for quick deployment with simple installs enabled by cloud-based HPE Aruba Networking Central that streamlines IT operations with unified infrastructure management across wired, wireless, and SD-WAN with intelligent automation and AI insights.

Notes: This device does not deliver a private cellular network; it acts as a bridge for HPE edge devices to provide primary or secondary cellular connectivity by interoperating with public or private networks.

The HPE Aruba Networking 100 Series Cellular Bridge offers peace of mind with an always-on, high-speed internet connection for business continuity and the simplicity of a single vendor solution with a full enterprise



HPE Aruba Networking 100 Series Cellular Bridge

Overview

Key Features

- Cloud-managed 5G cellular wireless fixed access for primary, secondary, or backup internet connectivity
 - Certified¹ by major public and regional cellular providers, including the First Responder Network Authority (FirstNet)²
 - Support for private cellular including CBRS bands
 - Option to connect using nano-SIM or eSIM² technologies
 - Streamlined cloud-based management and control with new HPE Aruba Networking Central
 - High-speed wired connectivity with 2.5 Gbps Ethernet ports
 - Compact and fanless form factor with internal antennas
 - Conveniently powered by PoE (802.3at) or DC power (DC power adapter sold separately)
 - Additional environmental protection with optional IP55 Transformation kit
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Standard Features

5G Cellular Connectivity for Branch Offices

Distributed branch offices are undergoing a digital transformation to meet the evolving business objectives and to handle mission-critical applications. This means enterprise branch offices must improve their network operations, deploy new services faster, and deliver an enhanced and secure user experience. What they need is an optimized, high-bandwidth, secure, and easy-to-deploy solution. The HPE Aruba Networking 100 Series Cellular Bridge provides convenient primary or backup cellular connectivity to branch offices and remote sites.

This series can be deployed with EdgeConnect gateways and connected via fast 2.5 Gbps Ethernet links. This cellular bridge, combined with EdgeConnect SD-Branch, encompasses each element within a branch — WAN, WLAN, wired, and security — to address enterprise network connectivity and security needs. The HPE Aruba Networking 100 Series acts as a bridge for other HPE edge devices to provide primary or secondary cellular connectivity by interoperating with public or private networks (it does not deliver a private cellular network).

Trusted Platform Module (TPM)

For enhanced device assurance, the HPE Aruba Networking 100 Series Cellular Bridge includes an installed TPM for secure storage of credentials, keys, and boot code.

Kensington Lock Slot

The HPE Aruba Networking 100 Series Cellular Bridge is equipped with a Kensington security slot for additional security.

AI-Powered Cloud Management

HPE Aruba Networking Central is an AI-powered solution that simplifies IT operations, improves agility, and reduces costs by unifying management of all network infrastructure. Built for enterprise-grade resiliency and security, while simple enough for smaller businesses with limited IT staff, HPE Aruba Networking Central is your single point of visibility and control that spans the entire network — from branch to data center, wired and wireless LAN to WAN. Learn more about the new HPE Aruba Networking Central [here](#).

Next gen wireless operating system

Cloud-native HPE Aruba Networking Wireless Operating System AOS-10 is the distributed network operating system working with HPE Aruba Networking Central that acts as the control layer for HPE Aruba Networking products.

Due to its flexible architecture, IT teams can deliver reliable and secure wireless connectivity for small offices, mid-sized branches, large campus environments, and remote workers. Working in tandem with cloud-native HPE Aruba Networking Central, AOS-10 provides the WLAN management and control to deliver greater scalability, security, and AI-powered optimization. AOS-10 features an enhanced connection mechanism to HPE Aruba Networking Central that improves performance and reduces latency for a more responsive experience.

Simplified, flexible consumption

The HPE Aruba Networking 100 Series Cellular Bridge requires HPE Networking Aruba Central subscription-based licenses, which are purchased on a per-device basis. Licenses are available in 1-, 3-, 5-, 7-, and 10-year increments. See the HPE Aruba Networking Central ordering guide [here](#).

Warranty

Hardware: 1-year parts/labor, which can be extended with a support contract. See

<https://www.hpe.com/us/en/networking/hpe-aruba-networking-support-services.html> for warranty and support information included with your product purchase.



Standard Features

Support

HPE Aruba Networking network devices (bridges, access points, switches, and gateways) that have an active HPE Aruba Networking Central SaaS subscription are fully supported and include:

- 24x7 priority technical support for troubleshooting
 - Software updates and upgrades for HPE Aruba Networking Central and hardware products managed by HPE Aruba Networking Central
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Configuration Information

BTO Models

| Rule # | Description | SKU |
|---------------|--|--------|
| | HPE Aruba Networking BR-150 5G Cellular Bridge | |
| | HPE Aruba Networking BR-150 5G Cellular Bridge | S0Q22A |
| | HPE Aruba Networking BR-150 TAA 5G Cellular Bridge | S3M47A |
| | Configuration Rules | |
| Rule # | Description | |
| Notes: | <ul style="list-style-type: none"> – Can be powered by PoE (802.3at) – OCA Only Model Selection Form - HPE Aruba Networks > Bridges > 100 Series Cellular Bridge | |

Accessories

| Rule # | Description | SKU |
|---------------|--|--------|
| | Accessories | |
| | Std (Min 0 // max 1) User Selection (min 0 // max 1) | |
| | HPE Aruba Networking BR-150 IP55 Kit | S3M48A |
| | HPE Aruba Networking AP-AC2-12B 12V/48W AC/DC Desktop Style Power Adapter with 2.1/5.5mm Connector | R3K00A |
| Notes: | User can select (Min 0 / Max 1) | |
| | Spares | |
| | Std (Min 0 // max 99) User Selection (min 0 // max 99) | |
| Rule # | Description | SKU |
| | HPE Aruba Networking BR-150 SIM Spare Tray Kit | S4P36A |
| Notes: | Spare Only | |



Technical Specifications

| HPE Aruba Networking 100 Series Cellular Bridge | |
|---|---|
| 5G SA | |
| Download | 2.4 Gbps |
| Upload | 900 Mbps |
| Supported bands | n1/ 2/ 3/ 5/ 7/ 8/ 12/ 13/ 14/ 18/ 20/ 25/ 26/ 28/ 29/ 30/ 38/ 40/ 41/ 48/ 66/ 70/ 71/ 75/ 76/ 77/ 78/ 79 |
| 5G NSA | |
| Download | 3.4 Gbps |
| Upload | 500 Mbps |
| Supported bands | n1/ 2/ 3/ 5/ 7/ 8/ 12/ 13/ 14/ 18/ 20/ 25/ 26/ 28/ 29/ 30/ 38/ 40/ 41/ 48/ 66/ 70/ 71/ 75/ 76/ 77/ 78/ 79 |
| LTE (CAT 18) | |
| Download | 1.6 Gbps |
| Upload | 200 Mbps |
| Supported bands | LTE-FDD: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 29/ 30/ 32/ 66/ 71 LTE-TDD: B34/ 38/ 39/ 40/ 41/ 42/ 43/ 48 LAA: B46 |
| WCDMA | |
| Download | 42 Mbps |
| Upload | 5.76 Mbps |
| Supported bands | B1/ 2/ 4/ 5/ 8/ 19 |
| Interfaces and indicators | |
| Form factor | Desktop (wall mount with kit sold separately) |
| Subscriber Identity Module | 1x Nano SIM 1x eSIM ¹ Notes: ¹ Feature available in future software release. |
| Interface | 2x 2.5 Gbps |
| Data port | 1x USB-A |
| Console port | 1x USB-C |
| System LED | Yes |
| Cellular LED | Yes |
| Interfaces and Indicators | |
| HPE Aruba Networking Central LED | Yes |
| Power supply slots | PoE; DC power adapter (DC power adapter not included; order separately) |
| Physical | |
| Dimensions (H x W x D) | 51 mm (H) x 223 mm (W) x 145 mm (D) |
| Dimensions with IP55 Kit dimensions (H x W x D) | 51 mm (H) x 223 mm (W) x 177 mm (D) |
| Weight | 1.54 kg (3.4 lbs) |
| MTBF (hours at 25°C) | 1,715,003 |
| MTBF (hours at 40°C) | 656,220 |
| Environmental | |
| Operating temperature | 0°C to +50°C (+32°F to +122°F) |
| Operating humidity | 5% to 93% |
| Storage temperature | -25°C to +55°C (-13°F to +131°F) |
| Storage humidity | 10% to 93% |
| Maximum power consumption with PoE | 19.1W |



Technical Specifications

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|--|---|
| Maximum power consumption with DC adapter | 17.5W |
| IP rating | IP55 supported using optional IP55 Kit (purchase separately) |
| Regulatory and Safety Compliance | |
| Minimum supported software version | AOS 10.7.1 |
| Regulatory SKU information | BRG5G0150 |
| Safety certifications | UL 2043 plenum rating UL/IEC/EN 62368-1 CAN/CSA-C22.2 No. 62368-1 Second Edition CNS 15598-1 |
| Electromagnetic emissions certifications | FCC Part 15 Class B CISPR32 Class B EN55032 Class B ICES-003 Class B EN61000-3-2 EN61000-3-3 EN55035, EN301 489-1 /-19 /-52 KN32 Class B, KN35, KN301 489-1 /-19 /-52 EN 60601-1-2CNS 15936 |
| Wireless certifications | CE, FCC, IC, RCM, PTCRB, GCF, ICASA, WHQL RED Directive 2014/53/EU AT&T ² , Verizon ² , T-Mobile ² Others: VCCI, NCC, ANATEL, IFETEL, CCC |
| | Notes: ² Certification underway. |

Learn More

HPE Aruba Networking provides high-performance network access, security, and resiliency for the campus and branch across WLAN, LAN, and SD-WAN. Find out more. hpe.com/us/en/networking/hpe-aruba-networking.html



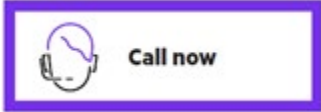
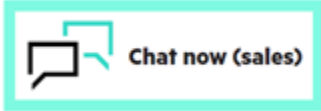
Summary of Changes

| Date | Version History | Action | Description of Change |
|-------------|-----------------|--------|-----------------------|
| 02-Dec-2024 | Version 1 | New | New QuickSpecs |



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