QuickSpecs

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

Hewlett Packard Enterprise

Overview

Key Features

- Cloud-managed 5G cellular wireless fixed access for primary, secondary, or backup internet connectivity
- Certified[1] 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 eSIM[2] 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

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.

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 Aruba Networking Central subscription-based licenses, which are purchased on a per-device basis. Licenses are available in 1-, 3-, 5-, 7-, and 10-year increments.

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

Configuration Information

BTO Models

HPE Aruba Networking BR-150 5G Cellular Bridge

Rule #	Description	SKU
	HPE Aruba Networking BR-150 5G Cellular Bridge	S0Q22A
	HPE Aruba Networking BR-150 TAA 5G Cellular Bridge	S3M47A

Configuration Rules

Rule #	Description
Notes:	– Can be powered by PoE (802.3at)
	– OCA Only Model Selection Form - HPE Aruba Networks > Bridges > 100 Series Cellular Bridge

Accessories

Accessories

Std (Min 0 // max 1) User Selection (min 0 // max 1)

Rule #	Description	SKU
	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

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**
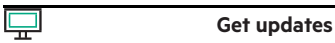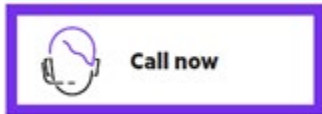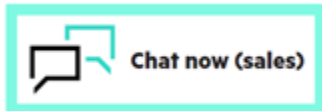
Summary of Changes

Date	Version History	Action	Description of Change
21-Jan-2025	Version 2	Changed	Standard Features section was updated.
02-Dec-2024	Version 1	New	New QuickSpecs

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