HPE Aruba Networking 100 Series Cellular Bridge

What's new

- Simple cloud-managed 5G cellular wireless bridge for reliable, fast internet connectivity.
- Provides primary, secondary, or backup cellular connectivity across public and private cellular services including CBRS.
- 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 (order DC power adapter separately).

Overview

The HPE Aruba Networking 100 Series Cellular Bridge is a cloud-managed 5G cellular wireless bridge for reliable, fast internet connectivity. Designed for primary, secondary, or backup cellular WAN connectivity, this 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, the cellular bridge supports 5G across major public and private cellular including CBRS, enabling reliable internet services with choice of connectivity.

This cellular bridge is supported by HPE Aruba Networking Central that helps streamline IT operations with unified infrastructure management across wired, wireless, and SD-WAN with intelligent automation, and AI insights.

Features

Simplicity and Performance

The HPE Aruba Networking 100 Series Cellular Bridge provides 5G fixed wireless access for mission-critical connectivity in WLAN, SD-Branch, and SD-WAN use cases.

The series supports the 5G SA standard, and backwards compatibility with 5G NSA and LTE.

The series provides two high-speed 2.5 GbE ports ideal for wired connectivity to Hewlett Packard Enterprise edge devices.

It has compact and fanless form factor with internal antennas and conveniently powered by either PoE (802.3at) or DC power. DC power adapter not included.

Enhanced security with Trusted Platform Module (TPM) that provides storage of credentials and keys, and boot code.

Cellular Bridge Connectivity for Branch Offices

The HPE Aruba Networking 100 Series Cellular Bridge customizes 5G cellular connectivity to branch offices and remote sites.

The series is configured as either primary, secondary, or backup 5G cellular link for business continuity.

It provides subscriber identity module (SIM) supports nano-SIM and eSIM deployments.

AI-powered Cloud Management

The HPE Aruba Networking 100 Series Cellular Bridge is supported by cloud-native HPE Aruba Networking Wireless Operating System (AOS10) which is the distributed network operating system working with HPE Aruba Networking Central that acts as the control layer for wireless devices.

Intelligent automation, AI insights, and unified infrastructure management, delivered by AOS-10 and HPE Aruba Networking Central, simplify and power IT operations.

Flexible consumption with HPE Aruba Networking Central subscription-based licenses purchased on a per-device basis.

Technical specifications	HPE Aruba Networking 100 Series Cellular Bridge
Wi-Fi antenna	Compact and fanless form factor with internal antennas
Ports	Console Port: 1x USB-C Data Port: 1x USB-A Interface: 2x 2.5 Gbps SIM: 1x Nano SIM and 1x eSIM [2]
Certifications	Safety certifications: UL 2043 plenum rating; UL/IEC/EN 62368-1; CAN/CSA-C22.2 No. 62368-1 Second Edition; CNS 15598-1
Regulatory	CE, FCC, IC, RCM, PTCRB, GCF, ICASA, WHQL RED Directive 2014/53/EU Others: VCCI, NCC, ANATEL, IFETEL, CCC
Warranty	Hardware: 1-year parts/labor, which can be extended. See the warranty duration.
Connectivity, standard	Cellular, 5G fixed wireless access; Private cellular including CBRS bands; WAN connectivity, backup internet connectivity
Input voltage	PoE, 12 VDC
Power consumption	Maximum power consumption with PoE: 19.1 W Maximum power consumption with DC: 17.5 W
Mounting	Desktop (Wall mount kit sold separately)
Radio coverage	5G SA, 5G NSA, LTA, WCDMA

SKU comparison

	HPE Aruba Networking BR-150 5G Cellular Bridge (S0Q22A)	HPE Aruba Networking BR-150 TAA 5G Cellular Bridge (S3M47A)
Wi-Fi antenna	Compact and fanless form factor with internal antennas	
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Mounting	Desktop (Wall mount kit sold separately)	
Radio coverage	5G SA, 5G NSA, LTA, WCDMA	
Differentiator	Can be powered by PoE (802.3at)	TAA compliant Can be powered by PoE (802.3at)

Related Options

The following options are available for these series:

SKU	Description
Power Management Options	
R3K00A	HPE Aruba Networking AP-AC2-12B 12V/48W AC/DC Desktop Style Power Adapter with 2.1/5.5mm Connector

Related Services

The following services are available for these series:

SKU	Description
Technology Services	
H05LGE	HPE Networking Services-Essential Care 1 Year Next Day HW Support BR-150
H05NFE	HPE Networking Services-Essential Care 1 Year Next Day HW Support BR-150TAA
H05LFE	HPE Networking Services-Essential Care 1 Year Next Day Support BR-150
H05NDE	HPE Networking Services-Essential Care 1 Year Next Day Support BR-150TAA
H05LSE	HPE Networking Services-Essential Care 1 Year Next Day Volume T1 Support BR-150
H05NRE	HPE Networking Services-Essential Care 1 Year Next Day Volume T1 Support BR-150TAA
H05LTE	HPE Networking Services-Essential Care 1 Year Next Day Volume T2 Support BR-150
H05NSE	HPE Networking Services-Essential Care 1 Year Next Day Volume T2 Support BR-150TAA
H05LHE	HPE Networking Services-Essential Care 1 Year Same Day Support BR-150
H05NGE	HPE Networking Services-Essential Care 1 Year Same Day Support BR-150TAA
H05LXE	HPE Networking Services-Essential Care 1 Year Same Day Volume T1 Support BR-150
H05NWE	HPE Networking Services-Essential Care 1 Year Same Day Volume T1 Support BR-150TAA
H05LYE	HPE Networking Services-Essential Care 1 Year Same Day Volume T2 Support BR-150
H05NXE	HPE Networking Services-Essential Care 1 Year Same Day Volume T2 Support BR-150TAA
H05LJE	HPE Networking Services-Essential Care 3 Year Next Day HW Support BR-150
H05NHE	HPE Networking Services-Essential Care 3 Year Next Day HW Support BR-150TAA
H05LKE	HPE Networking Services-Essential Care 3 Year Next Day Support BR-150
H05NJE	HPE Networking Services-Essential Care 3 Year Next Day Support BR-150TAA
H05MFE	HPE Networking Services-Essential Care 3 Year Next Day Volume T1 Support BR-150
H05PDE	HPE Networking Services-Essential Care 3 Year Next Day Volume T1 Support BR-150TAA
H05MGE	HPE Networking Services-Essential Care 3 Year Next Day Volume T2 Support BR-150
H05PFE	HPE Networking Services-Essential Care 3 Year Next Day Volume T2 Support BR-150TAA

H05LLE	HPE Networking Services-Essential Care 3 Year Same Day Support BR-150
H05NKE	HPE Networking Services-Essential Care 3 Year Same Day Support BR-150TAA
H05MKE	HPE Networking Services-Essential Care 3 Year Same Day Volume T1 Support BR-150
H05PJE	HPE Networking Services-Essential Care 3 Year Same Day Volume T1 Support BR-150TAA
H05MLE	HPE Networking Services-Essential Care 3 Year Same Day Volume T2 Support BR-150
H05PKE	HPE Networking Services-Essential Care 3 Year Same Day Volume T2 Support BR-150TAA
H05LME	HPE Networking Services-Essential Care 5 Year Next Day HW Support BR-150
H05NLE	HPE Networking Services-Essential Care 5 Year Next Day HW Support BR-150TAA
H05LNE	HPE Networking Services-Essential Care 5 Year Next Day Support BR-150
H05NME	HPE Networking Services-Essential Care 5 Year Next Day Support BR-150TAA
H05MSE	HPE Networking Services-Essential Care 5 Year Next Day Volume T1 Support BR-150
H05PRE	HPE Networking Services-Essential Care 5 Year Next Day Volume T1 Support BR-150TAA
H05MTE	HPE Networking Services-Essential Care 5 Year Next Day Volume T2 Support BR-150
H05PSE	HPE Networking Services-Essential Care 5 Year Next Day Volume T2 Support BR-150TAA
H05LQE	HPE Networking Services-Essential Care 5 Year Same Day Support BR-150
H05NNE	HPE Networking Services-Essential Care 5 Year Same Day Support BR-150TAA
H05MXE	HPE Networking Services-Essential Care 5 Year Same Day Volume T1 Support BR-150
H05PWE	HPE Networking Services-Essential Care 5 Year Same Day Volume T1 Support BR-150TAA
H05MYE	HPE Networking Services-Essential Care 5 Year Same Day Volume T2 Support BR-150
H05PXE	HPE Networking Services-Essential Care 5 Year Same Day Volume T2 Support BR-150TAA

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies, or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what HPE Services - Aruba Networking has to offer at: hpe.com/edge/services

Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from HPE Aruba Networking technology.

Project based services include:

— Planning, audit, and assessment
— Architecture review and design
— Deployment, migration, and knowledge transfer

Annual subscription services include:

— Network optimization
— Intelligent Operations
— Customer Experience Management

Our Education Services allow your team to come up to speed quickly.

GreenLake for Networking

Deliver innovative business outcomes by leveraging new ways to consume, deploy and manage networks.

For additional technical information, available models and options, please reference the QuickSpecs

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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