



HPE Aruba Networking USB LTE Modem

Fully managed, plug-and-play LTE modem for global
enterprise deployments



For enterprises who require high speed WAN uplinks to support small office/home office, branch and pop-up locations, the HPE Aruba Networking USB LTE modem makes it easy to add primary or backup WAN connectivity. With plug and play support for HPE Aruba Networking devices, organizations no longer need to worry about third party compatibility, multiple purchase orders, or manual configuration.

Easy to use

Key features

- Plug-and-play LTE connectivity for HPE Aruba Networking Access Points and Gateways
- Global support for nearly all major carriers
- High speed connectivity with LTE Cat 12 speeds
- Configurable as a backup or primary WAN uplink that is ideal for small office/home office, branch, and pop-up locations
- Management flexibility to use either HPE Aruba Networking Central or HPE Aruba Networking [Legacy] Management Software

Designed as plug and play, the HPE Aruba Networking USB LTE Modem does not require any configuration for HPE Aruba Networking network devices in most carrier environments. In addition, the USB LTE Modem uses a swivel plug-in for greater plug-in flexibility.

Validated

The HPE Aruba Networking USB LTE Modem is fully compatible with HPE Aruba Networking hardware making it easier to purchase and rollout support across the enterprise. It can be used with a variety of network devices including HPE Aruba Networking 9004, 9012 and 7000 series SD-Branch Gateways, HPE Aruba Networking EC-10104, EC-XS, EC-10106 and EC-S-P SD-WAN Gateways and our HPE Aruba Networking 300 Series, 500 series and 600 Series Campus and Hospitality/Remote APs. The USB LTE Modem supports on-premises AP-only or controller deployments as well as cloud-managed access points or gateways, allowing you to continue using USB LTE Modems even if your architecture changes.

Business continuity

Offering high speed connectivity with LTE Cat 12 speeds, the HPE Aruba Networking USB LTE Modem can be used as a backup or as a primary WAN uplink depending on business requirements.

Technical specifications

Supported network devices	
HPE Aruba Networking Access Points	AP-303H, AP-303HR, AP-304/305, AP-314/315, AP-324/325, AP-334/335, AP-503R, AP-505H, AP-505HR, AP-504/505, AP-514/515, AP-534/535, AP-555, AP-605H, AP-605HR, AP-605R, AP-635, AP-655, AP-754/755, AP-745, AP-734/735, AP-725
HPE Aruba Networking SD-branch gateways	9004, 9012, 9106, 9012, 7000 Series
HPE Aruba Networking EdgeConnect SD-WAN gateways	EC-10104, EC-XS, EC-10106, EC-10108 and EC-S-P
Management support	HPE Aruba Networking [Legacy] Management Software for on-prem IAP and Remote AP (RAP) deployments starting with HPE Aruba Networking AirWave Management Software 8.2.14.1 HPE Aruba Networking Central support with Gateways and MicroBranch starting with AOS 10.4/ HPE Aruba Networking Central 2.5.6 HPE Aruba Networking Orchestrator support for EC-10104 and EC-XS starting with ECOS 9.1.5/9.2.3 and Orchestrator 9.1.5/9.2.4, and support for EC-10106 and EC-S-P starting with ECOS 9.3.3 and Orchestrator 9.3.2.

Technical specifications (continued)

Supported network devices	
Supported Bands	
LTE FDD	B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B21/B25/B26/B28/B29/B30/B32/B66
LTE TDD	B38/B39/B40/B41
LTE CAT12 max speeds	FDD: Max 480 Mbps (DL)/150 Mbps (UL) TDD: Max 430 Mbps (DL)/90 Mbps (UL)
Carrier aggregation	DL 2 CA: Inter-band CA/Intra-band CA DL 3 CA: Inter-band CA/Intra-band CA
WCDMA	B1/B2/B3/B4/B5/B8/B9/B19
GNSS	GPS/GLONASS/BeiDou/Galileo/QZSS
Interfaces and Indicators	
USB connector	USB 2.0 270-degree swivel on one axis and 90-degree on another axis
Antennas (2)	Internal Main and Diversity. GNSS uses Diversity antenna
LED	Single LED dual color (Green and Orange) Steady Green: cellular link made Steady Orange: powered—but no cellular link
SIM	Accepts micro and nano single SIM Push in-push out
USB extender cable (optional)	5m long USB extender cable to place the modem in a location with better signal coverage
Physical	
Body dimensions	L100 x W50 x H20 mm (3.9" x 1.9" x 0.8")
Weight	78g (2.75 oz)
Environmental	
Temperature range	Operating: 0°C to 40°C (32°F to 104°F) Storage: -40°C to 70°C (-40°F to 158°F)
Humidity	Operating: 10% to 90% (RH), non-condensing Storage: 10% to 95% (RH), non-condensing
Altitude	10,000 feet
USB power	3.5W Max
Regulatory and safety compliance	
Regulatory model	ARMDMUSBLTE
Safety certifications	IEC/EN 62368-1
Electromagnetic emissions certifications	FCC Part 15 Class B CISPR32 Class B EN55032 Class B ICES-003 Class B EN55035, EN301 489-1, EN301 489-52 KS C 9832:2019 Class B, KS C 9835:2019, KN301 489-1, KN301 489-52 CNS13438 Class B
Telco	Common Language Equipment Identifier (CLEI) Code
Wireless certifications	FCC/ISED RED Directive 2014/53/EU Others: MIC, NCC, ANATEL, COFTEL, CCC, PTCRB
Carrier certifications	AT&T and Verizon

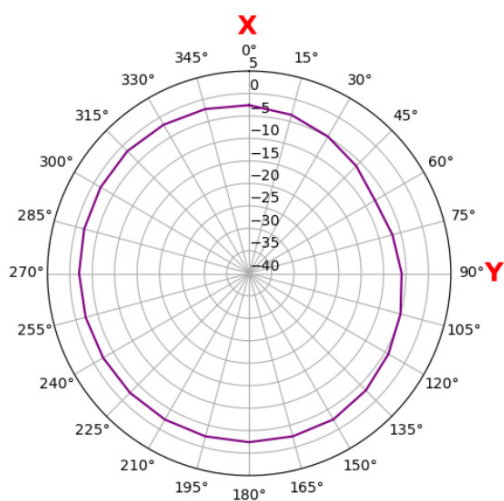
Technical specifications (continued)

Service and warranty information

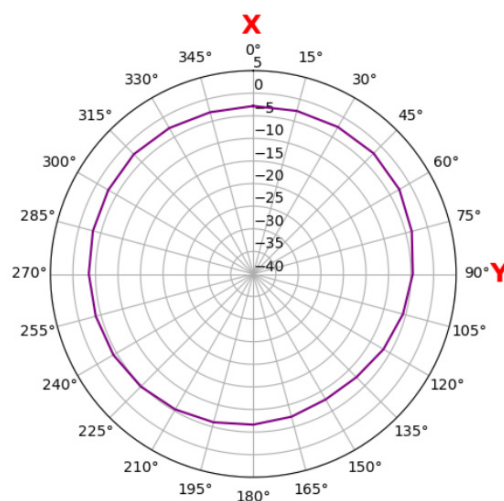
Hardware warranty	1-Year parts/labor
Minimum software support	HPE Aruba Networking Wireless Operating System AOS/Instant 8.10.0.0 for IAPs/RAPs, AOS 10.4 with HPE Aruba Networking Central 2.5.6 for Gateways/MicroBranch ECOS 9.1.5/9.2.3 with Orchestrator 9.1.5/9.2.4 for EC-10104 and EC-XS SD-WAN Gateways ECOS 9.3.3 with Orchestrator 9.3.2 for EC-10106 and EC-S-P SD-WAN Gateways

Antenna patterns

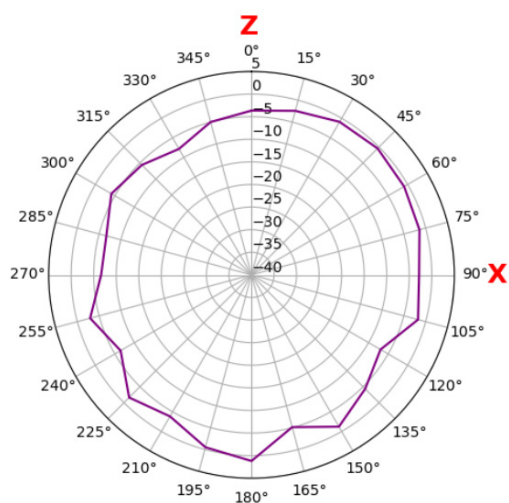
LTE: Main and auxiliary antennas



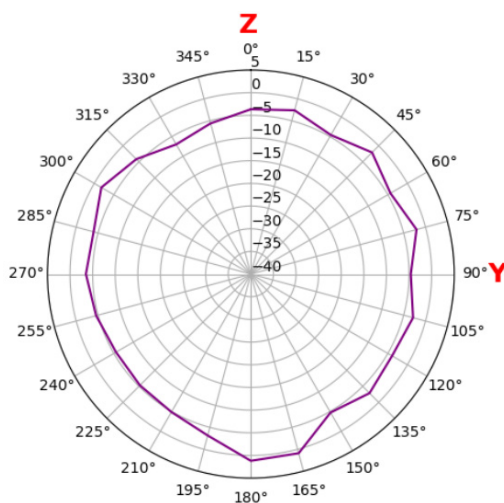
Main B2 1860 MHz xy plane



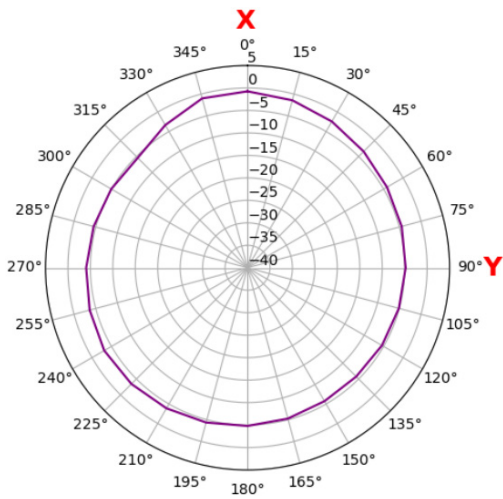
Main B2 1860 MHz xz plane



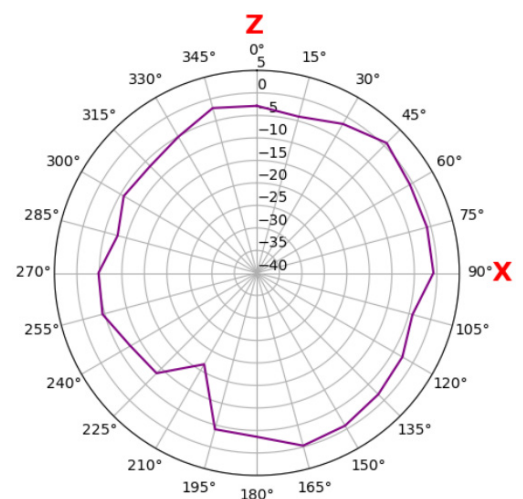
Main B2 1860 MHz yz plane



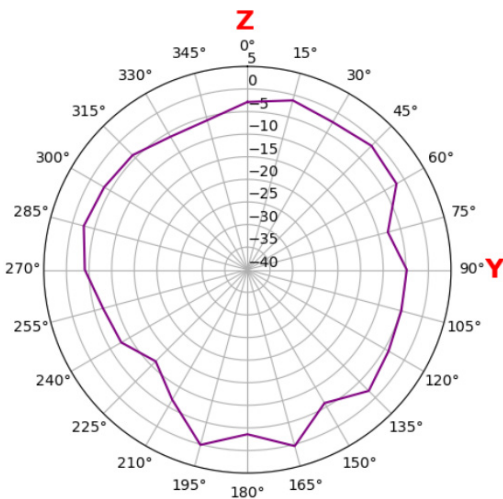
Main B7 2550 MHz xy plane



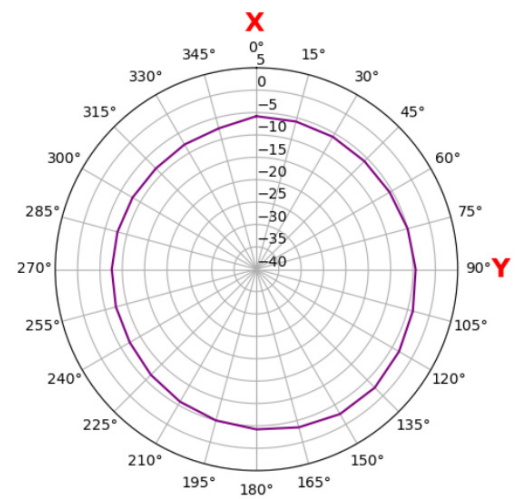
Main B7 2550 MHz xz plane



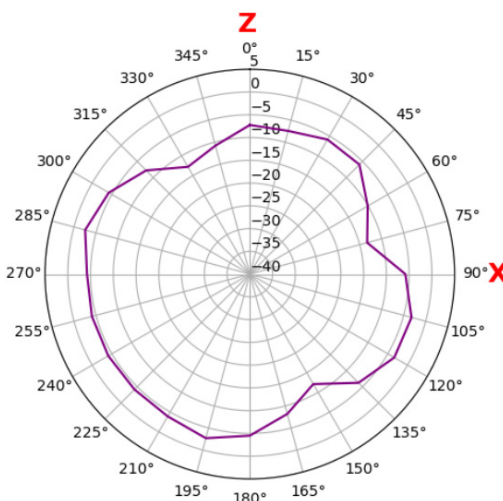
Main B7 2550 MHz yz plane



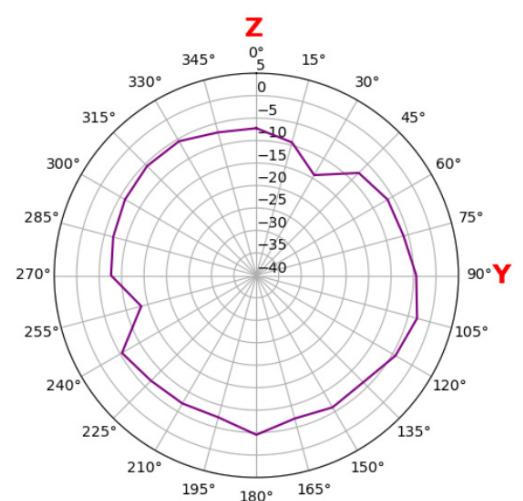
Main B13 780 MHz xy plane



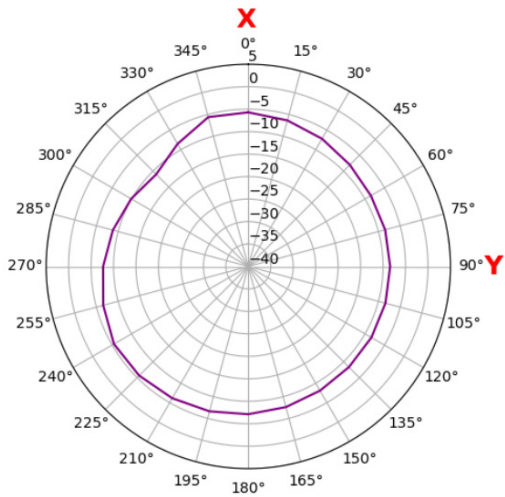
Main B13 780 MHz xz plane



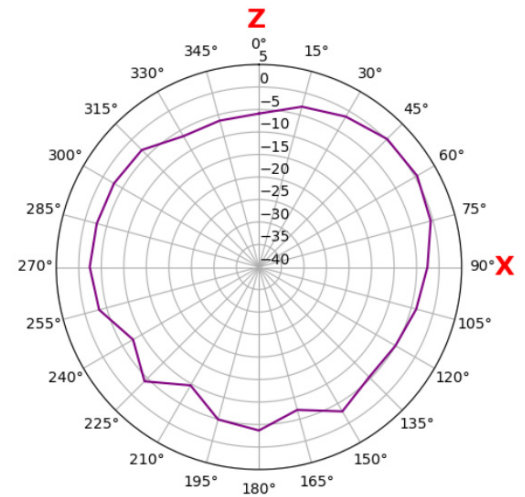
Main B13 780 MHz yz plane



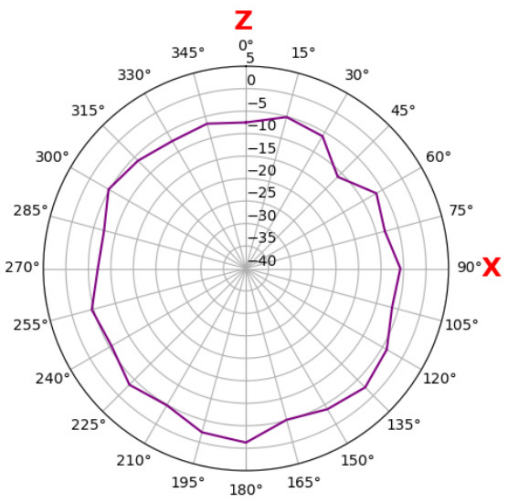
Aux B2 1950 MHz xy plane



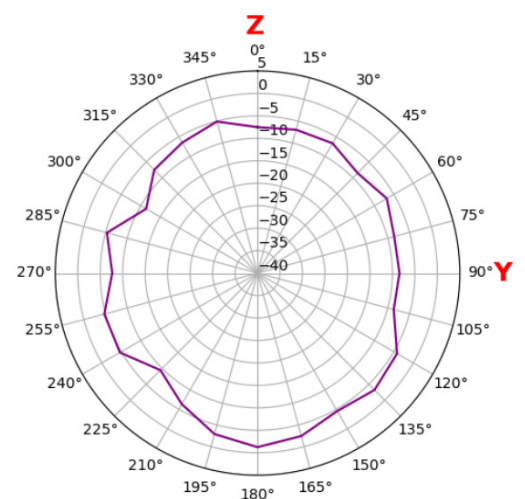
Aux B2 1950 MHz xz plane



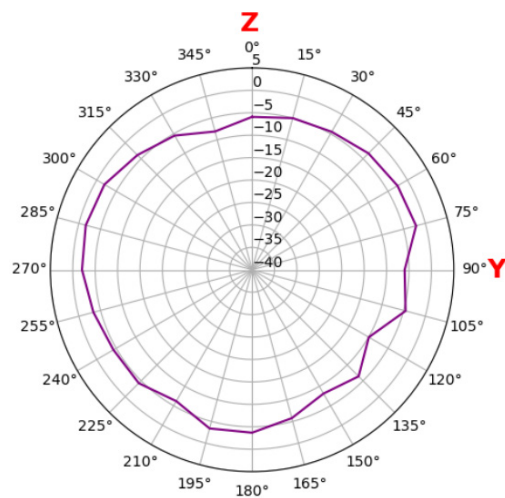
Aux B2 1950 MHz yz plane



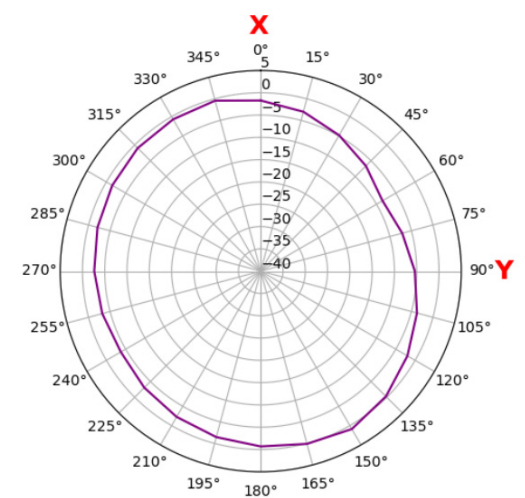
Aux B7 2650 MHz xy plane



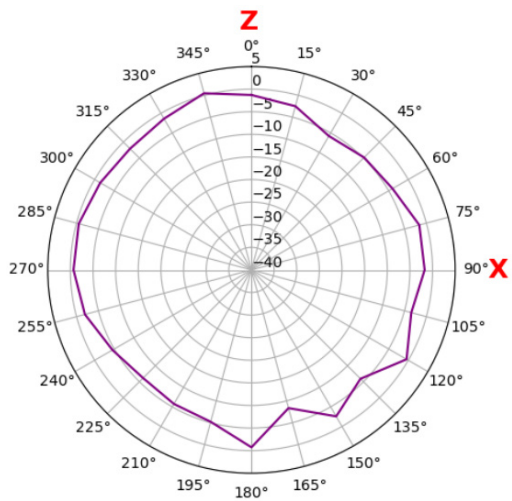
Aux B7 2650 MHz xy plane



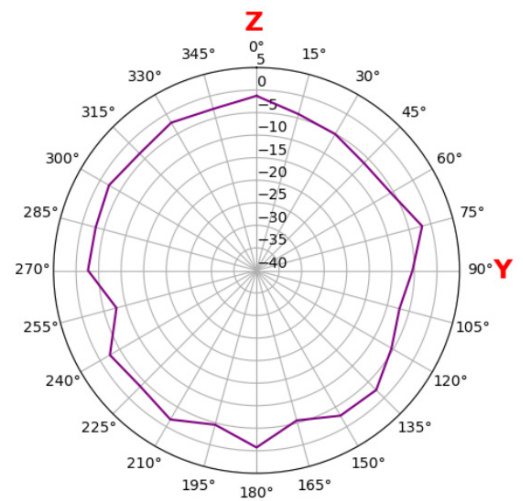
Aux B7 2650 MHz yz plane



Aux B13 750 MHz xy plane

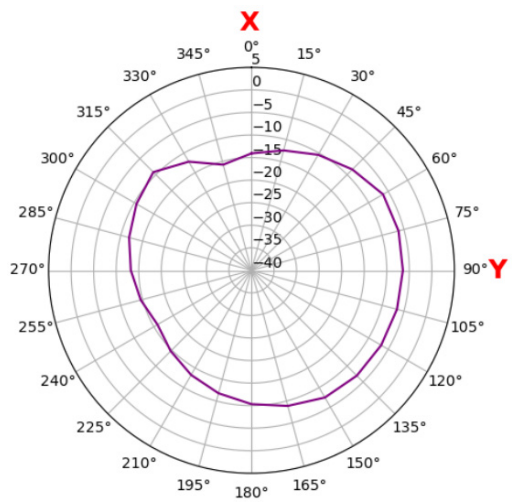


Aux B13 750 MHz xz plane

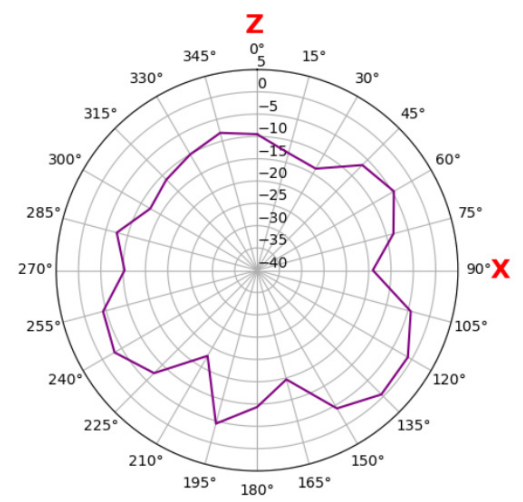


Aux B13 750 MHz yz plane

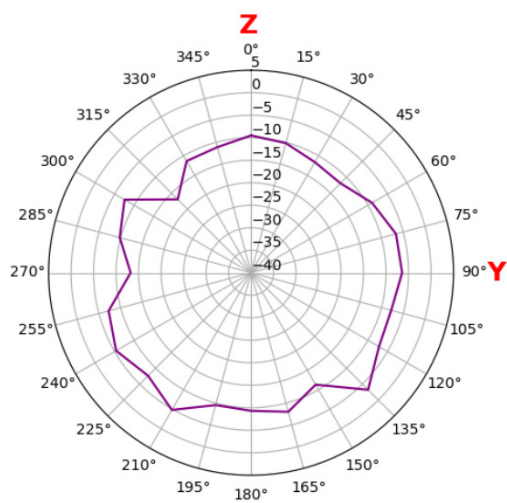
GPS: auxiliary antenna



Aux GPS xy plane



Aux GPS xz plane



Aux GPS yz plane



Ordering information

SKU	SKU Description
R8F34A	HPE Aruba Networking USB LTE Modem
R8G76A	HPE Aruba Networking USB Extender Cable Kit

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