

Versa External LTE Antenna

Customers want to leverage mobile networks to provide a primary or backup WAN link to connect the branch to rest of the Enterprise network. A mobile network provides a robust WAN link option to complement the wired connectivity at the branch. While the mobile network based WAN connectivity has advantages of fast deployment and high reliability, the link performance is dependent on signal strength received by the CPE at the point of installation.

CSG appliances come with in-built, bolt-on antennas. When CSG appliances are deployed in locations with good LTE signal strength, the bolt-on antennas provide excellent signal performance. However, the WAN performance can suffer from degraded LTE performance when LTE signals cannot reach the deployed CSG appliances. Versa offers external LTE antennas as an option for customers who want the flexibility to install antennas in locations with better LTE signal reception while the CPEs can be placed in the networking closet.

The external LTE antenna is designed to provide high efficiency coverage of global LTE, 4G, and 3G bands. The antenna is optimized for a wall mount and is ideally suited for indoor applications where higher performance is expected. External antennas come in 2 models which differ in the antenna cable length only.



Figure 1: 2x2 MIMO external LTE antenna

Features

- LTE frequency range
 - › 698 to 894 MHz
 - › 1695 to 2200 MHz
 - › 2300 - 2700 MHz
- Omni Directional
- 2x2 MIMO
- High Efficiency: 90%
- Wall mount with 2 cable length options
 - › 15 Ft
 - › 40Ft

Product Specification

Feature	Port	Freq Bands	Parameters
Radiated Efficiency	LTE 1,2	698 - 894 MHz	80%
		1695 - 2200 MHz	90%
		2300 - 2700 MHz	80%
Peak Gain	LTE 1,2	698 - 894 MHz	3 dBi
		1695 - 2200 MHz	5.5 dBi
		2300 - 2700 MHz	4 dBi
Return Loss (50 Ohm)	LTE 1,2	698 - 894 MHz	7 dB
		1695 - 2200 MHz	10 dB
		2300 - 2700 MHz	8 dB
Isolation	LTE 1,2	698 - 894 MHz	10 dB
		1695 - 2200 MHz	17 dB
		2300 - 2700 MHz	17 dB
Polarization	LTE		Linear
Max Input Power	LTE		5 Watts
Rf Cable Type	LTE		LMR 220 (15 Ft) LMR 240 (40 Ft)
Connectors			SMA Male
Mounting			Wall Mount

Ordering Information

Versa external LTE antenna module is available as a separate option for CSG appliances. Please reach out to your Versa Sales representative to order the antennas.

About Versa Networks

Versa Networks, the leader in SASE, combines extensive security, advanced networking, full-featured SD-WAN, genuine multitenancy, and sophisticated analytics via the cloud, on-premises, or as a blended combination of both to meet SASE requirements for small to extremely large enterprises and Service Providers. Versa SASE is available on-premises, hosted through Versa-powered Service Providers, cloud-delivered, and via the simplified Versa Titan cloud service designed for Lean IT. Thousands of customers globally with hundreds of thousands of sites trust Versa with their networks, security, and clouds. Versa Networks is privately held and funded by Sequoia Capital, Mayfield, Artis Ventures, Veri-zon Ventures, Comcast Ventures, Liberty Global Ventures, Princeville Global Fund and RPS Ventures.

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