



Frequently Asked Questions

Product: Mobile Connectivity Trailer (MCT) for Verizon Wireless



FAQ

- Q.** Where can the Mobile Connectivity Trailer be deployed?
- A.** The Mobile Connectivity trailer can only be deployed in areas that have no Verizon 4G LTE Coverage to ensure proper operation and to avoid interference. The locations must be within areas that are covered under Verizon's FCC Licenses.
- Q.** What is the typical deployment time?
- A.** The Mobile Connectivity Trailer can be deployed in as little as one hour from arrival on-site.
- Q.** What is the coverage area of the Mobile Connectivity Trailer?
- A.** The Mobile Connectivity Trailer Coverage is Approximately 500 feet coverage radius in open space.^{1,2} The locations must be within areas that are covered under Verizon's FCC Licenses.
1. The Coverage range may vary based on terrain, topology and RF obstructions in the vicinity.
 2. The Mobile Connectivity Trailer can only be deployed in areas with no Verizon Coverage to ensure proper operation and to avoid interference.
- Q.** What kind of speeds can be expected through the 4G LTE Network Extender for Enterprise through the backhaul?
- A.** The Network Extender allows the user to connect to an internet source—a satellite internet backhaul or local internet service provider (ISP) connection—to provide 4G LTE coverage. The Network Extender uses an enterprise-grade VPN to secure all communication with the Verizon network. The speeds through the Network Extender will generally be about 80%-85% of those typically available from the applicable ISP, due to VPN encryption overhead.

For wired ISP providers with low latency, the speed test results would mirror the ISP backhaul speeds with a VPN overhead. Satellite based backhaul inherently has a high latency. Generally, applications using UDP (such as VoLTE, real-time video streaming) will experience satellite backhaul speeds of about 80% - 85% of the available ISP bandwidth. Applications using TCP/IP (such as email, text, MMS) will experience satellite backhaul speeds based on the latency and client settings on the user device.



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Mobile Connectivity Trailer

Q. Can access to the coverage provided by the Mobile Connectivity Trailer be restricted to certain users?

A. No, the access cannot be restricted to a certain user set.

Q. What is the number of users that can be supported on the 4G LTE Service that is provided by the Mobile Connectivity Trailer?

A. The Mobile Connectivity Trailer supports up to 42 active users with simultaneous HD Voice and Data Sessions.

Q. Why does the Mobile Connectivity trailer require internet connectivity?

A. The Mobile Connectivity Trailer utilizes Verizon's 4G LTE Network Extender for Enterprise Technology to connect to an internet source: a satellite internet backhaul or local internet service provider (ISP) connection, in order to provide 4G LTE Coverage. The Network Extender for Enterprise uses an enterprise-grade VPN to secure all communications with the Verizon Network.

Q. What are the options to connect the Mobile Connectivity Trailer to the internet?

A. The Mobile Connectivity Trailer can be connected through a satellite internet backhaul or local internet service provider (ISP) connection.

Q. What is the geographic coverage area for the Mobile Connectivity Trailer?

A. When deployed utilizing an ISP connection, the Mobile Connectivity Trailer will work in all 50 states with the exception of the following [counties that are listed here](#).

Satellite internet might not be available in all 50 states. Please contact your satellite data provider for maps, coverage and deployment guidelines.

Q. Must additional fees be paid in order to use the 4G LTE Network Extender for Enterprise?

A. No, there are no additional monthly charges to use the 4G LTE Network Extender for Enterprise. The unit can simply be purchased to enjoy the benefit of enhanced 4G LTE coverage. All rates and policies associated with the current plan (including any applicable data and voice usage charges) will apply while connected to the 4G LTE Network Extender for Enterprise.

Q. Can international calls be made with the 4G LTE Network Extender for Enterprise?

A. Yes, international calls can be placed and received while connected to the 4G LTE Network Extender for Enterprise. However, charges will still be incurred for international calls according to the user's plan.

Q. What power sources are adaptable to the Mobile Connectivity Trailer?

A. The Mobile Connectivity Trailer can be equipped with a factory-installed onboard diesel generator option for power, or can be connected to any adequate external power source that is capable of providing 30 Amps of 120VAC power.

Mobile Connectivity Trailer

- Q.** What is the Satellite Phone Option for the Mobile Connectivity Trailer?
- A.** The Satellite Phone Option adds an emergency backup communications module to the Mobile Connectivity Trailer. The module will connect with up to five smart phones or tablets (only one can be active at any one time) allowing them to function as Satellite phones. The Mobile Connectivity Trailer typically relies on Satellite Backhaul for all communications in areas devoid of any other coverage. In the event that the Mobile Connectivity Trailer is unable to establish communications through the primary satellite link, the Satellite Phone Option provides a backup communications source, providing the ability to troubleshoot or place emergency phone calls.
- Q.** What is the Overall Weight of the Mobile Connectivity Trailer?
- A.** The weight will vary based on the selected options, but a fully-optioned unit will weigh approximately 3500 pounds when equipped with a full tank of fuel.
- Q.** What is the Expected Run Time of the Mobile Connectivity Trailer when equipped with the optional onboard diesel generator?
- A.** Run time will vary, predominantly based on environmental conditions, but 60 hours in typical conditions with 30 gallons of diesel fuel can be expected.
- Q.** How is the Mobile Connectivity Trailer towed?
- A.** The Gross Vehicle Weight Rating (GVWR) of the Mobile Connectivity Trailer is 4000 pounds, and can be towed by any vehicle that is rated and equipped to tow that capacity, such as a large SUV.
- Q.** Where can the latest Mobile Connectivity Trailer Specifications and Available Options be found?
- A.** Consult the Pelsue Mobile Connectivity Trailer Web site (<https://mct.pelsue.com>).