

### **Product Overview**

This selection sheet is for a Mobile Connectivity Trailer. The Mobile Connectivity Trailer is a lightweight rapidly deployable communication trailer that can be used to create a cellular coverage area where wireless coverage is not available. The Mobile Connectivity Trailer uses both a Verizon 4G LTE Network Extender for Enterprise and an AT&T Cell Booster Pro 4G LTE Network Extender to connect to an internet source—a satellite internet backhaul or local internet service provider (ISP) connection—to provide the 4G LTE coverage. The 4G LTE Network Extenders use an enterprise grade VPN to secure all communication with the network. The MCT Unit consists of the trailer and the MCT Network completely installed, configured, and tested.

# **STANDARD FEATURES**

# 1. Frame & Body Assembly

- All-aluminum frame.
- Single torsion axle (high-clearance) with electric brakes and breakaway switch.
- B.F Goodrich 31 x 10.5R15 All-Terrain tires on black wheels.
- Rear step bumper for entry assistance.
- DOT compliant exterior LED lighting & reflector package.
- 2" ball coupler hitch with heavy-duty safety chains.
- Tongue jack, swing-down style, with solid 8" caster wheel.
- Frame corner-mounted stabilizer jacks (4X).
- 7-pole RV (spade) style trailer plug.
- Frame corner-mounted pivoting lifting & tie-down points.

Pelsue Company M-MCT10312023 R1



- 2. **Body** 
  - Fiberglass monocoque body unit with structural reinforcement.
  - Replaceable heavy-duty aluminum fenders (2x).
  - Single, rear, 32" nominal width personnel entry door.
  - Slider windows with screens (2x), one on each side of body.
  - Grab-handle at rear door for entry assistance.
  - Fire extinguisher mounted inside personnel door, 2-pound, disposable





#### 3. Electrical Package

Pelsue Company M-MCT10312023 R1

PEUSLIE 2500 S. Tejon Street Englewood, CO 80110

- Power inlet, 120/240 VAC, 30-amp, twist lock, front exterior of trailer
- Power cord, 30-amp, twist lock, 25' length
- Centralized trailer control center with individual AC & DC circuit distribution and circuit breaker enclosures
- Duplex 120 VAC GFCI protected receptacle at the control center
- 12V DC power port at the control center
- Power converter & battery charger, 30-amp
- Dual overhead LED light fixtures, 2000 lumens each, switch at the control center
- Low-profile roof-mounted HVAC unit, 15000 BTUh cooling & 6000 BTUh heating, with remote thermostat
- Deep cycle battery, 12V DC, group 24, in secure battery enclosure
- Solar trickle charger, roof-mounted, for battery maintenance
- Cable pass-through at curbside wall of trailer
- Deployed equipment alarm system

# 4. Mobile Connectivity Network

- Network enclosure, standard rack mount, front & rear access doors w/ windows, aluminum.
- Cisco Meraki network switch with 3-year licensing.
- Cisco Meraki security appliance (firewall) with 3-year licensing
- 1 Verizon 4G LTE network extender 2 for Enterprise, rack mounted.
- 1 AT&T Cell Booster Pro 4G LTE network extender
- Laptop computer and mobile mount structure is included (for diagnostics and troubleshooting of the Mobile Connectivity Trailer). Laptop workstation is supplied preloaded with diagnostic interfaces, and troubleshooting materials.
- Remote monitoring system; Provides remote visibility of MCT Unit location (GPS), presence of commercial / generator power, and fuel level. Also provides the ability to cycle the power (hard reboot) of the network equipment from any remote location, even in the event that the primary satellite link is lost. Includes 3 years of service.
- RJ45 Cat6 pass-through from front of trailer unit to network enclosure
- Mobile connectivity network is cabled and configured for push button, turn-key operation
- Cantenna assembly, omni sector, clover pattern, dual band, Low PIM, equipped with quickconnect mounting base
- Ventev 698-2700 MHz 6/7 dBi Fiberglass Omni Antenna assembly
- Secure, dedicated interior storage for Cantenna and Ventev assemblies
- Heavy-duty locking pneumatic mast, 7' 30' H, equipped with quick-connect payload adapter
- Air compressor system for mast extension, push-button electric operation, easily accessible at mast location
- Cabling entrance box at front for RF connectors, color-coded ports
- Color-coded RF cables, low-loss, Low-PIM
- Grounding cable on retractable reel, 50' long cable, high visibility

PEUSLE 2500 S. Tejon Street Englewood, CO 80110

#### 5. Maintenance Contract

- Maintenance Contract, basic, 12-month, Mobile Connectivity Trailer.
- 24x7 Remote Support.
- Note: Pelsue can only guarantee technical assistance and speeds with the standard factory configuration of equipment and software. After-market modifications will affect performance, including latency and bandwidth.

### 6. Mobile Connectivity Trailer: Configuration and Part Numbers

### 7. Mobile Connectivity Trailer 127292-M01

• Standard Configuration now includes lines 8-16.

### Standard Options:

### 8. Satellite Backhaul System 126137-BSV

- AVL Model 1280KVH-AAQ, 1.2 meter Ka satellite antenna & auto-acquire antenna controller.
- Customer-provided RF equipment
- Exterior mounting frame and support structure for satellite antenna.
- Automatic stowage system, triggers stowing of satellite antenna when winds in excess of 50mph are measured.
- Deployed equipment alarm system interface for satellite antenna.

# 9. On-Board Diesel Generator Option GZW6

- Cummins Onan 6.0KW CMQD "Quiet Diesel" Series Commercial Mobile diesel-fueled Generator, mounted on exterior tongue deck of trailer.
- 120 VAC, 50 Amp Power Output connected to automatic transfer switch allowing changeover to and from generator versus commercial power.
- Remote start and stop system, with hour meter and diagnostic indicators installed at the trailer control center.
- Under trailer (DOT/EPA/CARB compliant) fuel tank with 30 gallon diesel fuel capacity equipped with streetside-mounted exterior fill point.
- 30-gallon capacity DOT/EPA approved fuel tank with driver side fill point and electronic level gauge. 30-gallon fuel capacity will provide 50-60 hours of continuous run time when not supporting any additional electrical loads.
- Carbon Monoxide (CO) gas detector Safe-T-Alert (model number 62-541) to be switched by relay to prevent battery drain.

### 10. Wi-Fi Option Package

126137-WF6

Pelsue Company M-MCT10312023 R1



- Includes 2X) Cisco Meraki #MR86 Wi-Fi 6 (802.11 ax) capable Outdoor & Industrial Access points with 3-Year Licensing and Multi-Directional Antennas.
- Mounted on exterior array for installation at the top of the pneumatic mast.
- Includes 2 sets of cabling (spare set included) for connection to the Trailer-Mounted Network. Interior Storage provisions for the removed & stowed array are provided.

# 11. Spare Cable Set Option

- Complete set of spare RF cables for the Mobile Connectivity Trailer network.
- 4X cables, low-loss, Low-PIM.

# 12. Guy Wire Option

### 126137-PGW

126137-PC3

- Kevlar Guy Wire kit for the stabilization of the pneumatic mast in adverse weather conditions.
- Ground Anchors for a variety of soil conditions.
- Military Style Canvas Carry Bag for Compete Kit.

# 13. Stabilization Option

• Telescoping outrigger assemblies (one each side) with redundant latching mechanism and warning system alerting when the outriggers are out of their stowed position when hitched to the tow vehicle.

126137-SJ2

- Interior storage provisions for front-mounted stabilizer jacks to prevent damage or theft in transit.
- Four (4) portable stabilizer jack pads for increased surface area in soft ground conditions
- Interior storage provisions for stabilizer jack pads.

# 14. Convenience Option

# 126137-CV2

- Spare tire & carrier (full-size), mounted outside of trailer unit.
- Weatherproof document holder, mounted on trailer tongue, for storage and ready access to registration and other legal documentation.
- Trailer plug holder, mounted adjacent to hitch, provides ready storage for the trailer plug when not in use, preventing damage.
- First aid kit, 25-person, OSHA-compliant, first aid kit holder in steel with wall-mounted holder, installed inside of trailer unit.
- Wheel chocks and holder, 1 pair of heavy-duty, non-slip wheel chocks for trailer wheel, includes exterior holder mounted above curbside fender for storage.
- Key lock box, custom 4-digit resettable combination, mounted adjacent to personnel door for ease of access of trailer unit entry keys.
- Compact combination of ladder with interior storage bracket enables easy access to the top of the antenna mast and trailer unit.



#### 15. Work Area, Power & Lighting Option 126137-WP2

- 42" H fixed work surface, 65" W x 33" L, textured finish.
- Pull-out drawer located under work surface.
- Task chair, padded, pneumatic height adjustment, caster wheels.
- Securement strap for task chair while unit is in transit.
- Additional overhead LED light fixtures (2X), located over fixed work surface.
- Exterior LED work lighting, single 3600 lumen, panning and tilting work light mounted on each exterior wall of the unit for a total of 4 light fixtures (*as shown in images below*).
- Safety strobe warning system.
  - i. Amber flashing LED on four sides of the body
  - ii. Also, if equipped with the Stabilization Package, red warning marker lights projected from the end of deployed outrigger arms (*as shown in images below*).
- Interior toggle switches located immediately inside of personnel door for interior & exterior LED lighting.
- Two (2) 120 VAC GFCI protected power receptacles mounted on interior wall above the work surface.
- USB receptacle, class 2.0 (4-ports) mounted on interior wall above work surface.



Images below depict exterior LED work lighting, safety strobes, & red outrigger warning marker lights



# 16. Pricing

17. Total Price of Trailer:	\$ 233,478 <sup>.00</sup>
	+
18. Freight	\$ 3,500 <sup>.00</sup>
	=
19. Total Price:	\$ 236,978 <sup>.00</sup>

20. Freight Note: For delivery within the contiguous United States \$3,500.



# Payment Term & Conditions:

Terms: FOB: Freight: Validity:	Net 30 Days Pelsue Company, Englewood, Colorado 80110 See Line 18. Validity will be 30 days after a formal quotation number is assigned and it is emailed/received.
Completion Date:	Typical lead time is 60 days after receipt of purchase order. An estimated delivery date will be provided with the request of a formal quotation.
Quotation:	<b>Note:</b> Lead times may be subject to further change based upon time of order and availability of communication components. An additional confirmation of completion date and projected delivery date will be provided within 5 business days after receipt of order.
Special Note:	The 4G LTE Network extenders for Enterprise within the Mobile Connectivity Trailer should be powered on only when the Mobile Connectivity Trailer is stationary. The Mobile Connectivity Trailer comes with an on-site training/deployment session for up to 15 persons.

Thank you,

Cosch

Pete Weber Pelsue Company Englewood, Colorado 80110

