

Peplink MAX-TST-PRO-DUO-LTEA-Q-T-PRM

Peplink MAX Transit Duo Pro LTE Cellular Router User Manual

Model: MAX-TST-PRO-DUO-LTEA-Q-T-PRM

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Peplink MAX Transit Duo Pro LTE Cellular Router. This device is designed to provide robust and reliable connectivity for various applications, leveraging dual cellular modems and advanced networking features.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Transit Duo Pro Unit
- 4x LTE Paddle Antennas
- 2x WiFi Paddle Antennas
- 1x GPS Active Antenna (ACW-232)
- Mounting Bracket (ACW-724)
- 110-240V Power Adapter with 4-pin connector; 6-pin terminal block



Figure 2.1: All components included in the product package.

3. SETUP GUIDE

3.1 Device Overview



Figure 3.1: Front panel of the MAX Transit Duo Pro, showing LAN, WAN, USB-C, and DC In ports.



Figure 3.2: Top panel of the MAX Transit Duo Pro, illustrating antenna connectors and dual cellular SIM slots.

3.2 Antenna Installation

1. Connect the 4 LTE paddle antennas to the "Main 1", "Aux 1", "Main 2", and "Aux 2" ports on the top of the device. Ensure they are securely tightened.
2. Connect the 2 WiFi paddle antennas to the "Wi-Fi Antenna A" and "Wi-Fi Antenna B" ports.
3. Connect the GPS active antenna (ACW-232) to the "GPS" port.



Figure 3.3: The router with all antennas properly installed.

3.3 SIM Card Installation

1. Locate the two cellular SIM slots on the top panel of the device.
2. Insert your activated Nano-SIM cards into the respective slots (Cellular SIM 1 and Cellular SIM 2) until they click into place. Ensure the SIM cards are oriented correctly as indicated on the device.
3. The dual CAT-12 LTE cellular modems provide redundant SIM card slots for continuous connectivity.

3.4 Power Connection

1. Connect the provided 110-240V power adapter to the DC IN port on the front panel.
2. Alternatively, the device supports dual USB-C power input for non-stop power, and a Micro-Fit power source for secure connections.
3. Plug the power adapter into a suitable electrical outlet.

3.5 Network Connections

- **LAN Port:** Connect your local network devices (e.g., computers, switches) to the LAN port using an Ethernet cable.
- **WAN Port:** Connect an external internet source (e.g., DSL/Cable modem, Starlink) to the WAN port for wired internet access.

4. OPERATING INSTRUCTIONS

4.1 Initial Power-Up and Status Indicators

Once powered on, observe the status LEDs on the front panel. The "Status" LED indicates the overall operational state, while "Cellular 1" and "Cellular 2" LEDs show the status of each cellular modem. The device features built-in Wi-Fi 6, simultaneously supporting 2.4GHz and 5GHz frequency bands for high-speed data transfer and stable connections.

4.2 SpeedFusion Technology

The MAX Transit Duo Pro includes SpeedFusion technology, offering:

- **Hot Backup:** Ensures seamless failover between WAN connections.
- **WAN Smoothing:** Reduces latency and jitter for critical applications.
- **Bandwidth Bonding:** Combines multiple WAN links for increased throughput.

Note: A PrimeCare subscription is required for SpeedFusion features, with the first year typically included.

4.3 Edge Computing Capabilities

The router supports Edge Computing, allowing you to run third-party applications directly on the device. This includes support for Docker containers and Python applications, enhancing the router's versatility for specialized deployments.

4.4 SIM Management

With the dual cellular SIM slots and compatibility with SIM Injector devices, you can effectively manage multiple SIMs for optimized network performance and redundancy.

5. MAINTENANCE

- Keep the device in a well-ventilated area to prevent overheating.
- Regularly check for and install firmware updates to ensure optimal performance and security.
Firmware updates are typically available through the Peplink InControl platform or the device's web administration interface.
- Clean the exterior of the device with a soft, dry cloth. Avoid using liquid cleaners.

6. TROUBLESHOOTING

6.1 No Internet Connection

- Verify that all cables (Ethernet, power, antennas) are securely connected.
- Check the status LEDs on the front panel. If cellular LEDs are off or red, ensure SIM cards are properly inserted and activated with your carrier.
- Restart the router and any connected modems.
- Confirm your cellular data plan is active and has sufficient data.

6.2 Slow Speeds

- Ensure antennas are correctly installed and positioned for optimal signal reception.
- Check for network congestion in your area.
- Utilize SpeedFusion features like Bandwidth Bonding if you have multiple WAN sources.
- Verify that your devices are connected to the appropriate Wi-Fi band (2.4GHz or 5GHz) for best

performance.

7. SPECIFICATIONS

Feature	Detail
Brand	Peplink
Model Name	Transit Pro Duo
Item Model Number	MAX-TST-PRO-DUO-LTEA-Q-T-PRM
Wireless Type	802.11n, 802.11ax (Wi-Fi 6), 802.11ac
Frequency Band Class	Quad-Band
Cellular Modems	Dual CAT-12 LTE
SIM Slots	Redundant SIM card slots
Throughput	1 Gbps (supports 25-150 users)
Connectivity Technology	Wi-Fi, USB, Ethernet, LTE
Power Input	12 Volts, Dual USB-C Power, Micro-Fit Power Source
Item Weight	1.61 pounds
Package Dimensions	11 x 6 x 2.6 inches
Color	Black
Operating System	RouterOS
Special Feature	QoS, Access Point Mode, Remote Access
Compatible Devices	Security Camera, Personal Computer, Smartphone
Recommended Uses	Business
Date First Available	November 1, 2024

8. WARRANTY AND SUPPORT

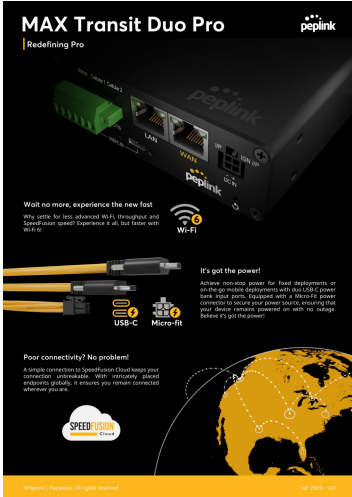
For warranty information, technical support, and additional resources, please visit the official Peplink website or contact their customer service. Keep your purchase receipt for warranty claims.

[Visit the Peplink Store on Amazon](#)

© 2024 Peplink. All rights reserved.

[\[pdf\]](#)

MSRP.xlsx sbooks X Series Modules for BPL 021X 380X 580X Peplink MAX TST PRO DUO LTEA Q T
PRM Transit Duo Pro FirstNet Certified For the Americas EMEA PrimeCare \$1 199 00 D 1Y 1 Year
Routers Pricebook myvendorlink external vfile d vrf s 173638 v 77168 sv 0 i 78 ft b |||
Product Code Product Name X Series Modules for BPL-021X, BPL-380X, BPL-580X
EXM-MINI-1LTEA-R 1 C ... ense BR Pro Licenses Warranties click the to open
Peplink Transit Series Cellular Routers **MAX-TST-PRO-DUO-LTEA-Q-T-PRM** MAX
Transit Duo Pro FirstNet Certified PRM-D-1Y 1-Year PrimeCare ...
lang:en score:40 filesize: 147.02 K page_count: 10 document date: 2025-02-12

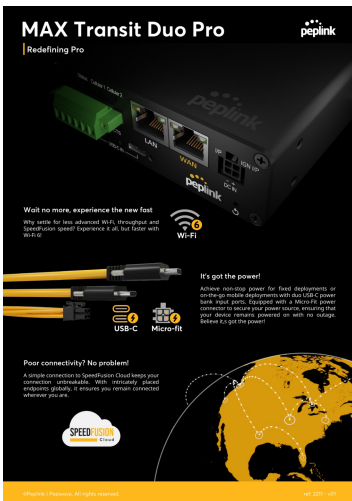


[\[pdf\]](#) Datasheet

pepwave max transit pro datasheet peplink v 1749054791181 original accentuate io 6713808879715
1646259414889 |||

MAX Transit Duo Pro Redefining Pro Wait no more, experience the new fast Why
settle for less advanc ... eAslel rrvigehdt.s reserved. ref: 2505 - v27 Transit Duo Pro
Ordering Information Product Code **MAX-TST-PRO-DUO-LTEA-Q-T-PRM** Embedded
Modem s : 2x CAT-12 Regions Global* US Carrier Certifications...

lang:en score:37 filesize: 751.8 K page_count: 5 document date: 2025-05-23



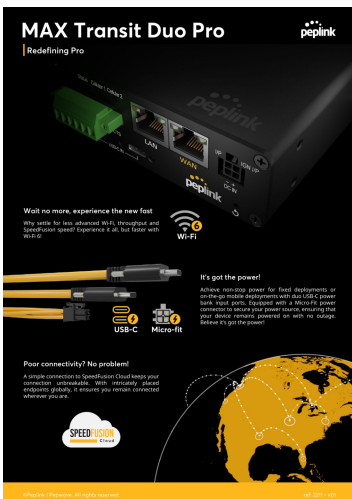
[\[pdf\]](#) Datasheet Warranty

pepwave max transit pro datasheet Arkusz specyfikacji Peplink MAX Transit Duo Pro 1x WAN Port 1 x LAN 2 CAT 7 LTE Modems Redundant SIM Slots Wi Fi 6 Include Years PrimeCare Warranty TST PRO DUO LTEA E T PRM Amazon pl Elektronika A1CaEjNqNgL m media amazon images I |||

MAX Transit Duo Pro Redefining Pro Wait no more, experience the new fast Why settle for less advanc ... 2, B41, B42, B43, B46, B48, B66 3G Bands HSPA : B2, B4, B5 HSPA : B1, B2, B4, B5, B6, B8, B9, B19 **MAX-TST-PRO-DUO-LTEA-Q-T-PRM**

Embedded Modem s : 2x CAT-12 Primary: North America B1, B2, B3, B4, B...

lang:en score:34 filesize: 1.02 M page_count: 4 document date: 2022-11-17



[\[pdf\]](#) Datasheet

pepwave max transit pro datasheet Download MAX Transit Pro PrimeCare Global* WifiSafe 3 wifisafe
producto primecare global attachment id 25074 file kbqzbzu7lx553 |||

MAX Transit Duo Pro Redefining Pro Wait no more, experience the new fast Why
settle for less advanc ... 2, B41, B42, B43, B46, B48, B66 3G Bands HSPA : B2, B4,
B5 HSPA : B1, B2, B4, B5, B6, B8, B9, B19 **MAX-TST-PRO-DUO-LTEA-Q-T-PRM**
Embedded Modem s : 2x CAT-12 Primary: North America B1, B2, B3, B4, B...
lang:en score:31 filesize: 600.66 K page count: 5 document date: 2022-12-06

