# The function of the ZTE five-core indoor terminal box



## Overview

1:4 Splitter Terminal Box — GF378-OP-WASCU-5A5 | ZTEThe ZTE GF378-OP-WASCU-5A5 indoor Terminal Box (TB) is designed for Fiber To The Room (FTTR) applicatio.

## Key Takeaways

The ZTE five-core indoor terminal box serves as a multi-port FTTR (Fiber To The Room) distribution hub, enabling high-speed fiber connectivity to multiple rooms with minimal signal loss.

### Core Functionality

### The ZT

E five-core indoor terminal box, such as the GF378-OP-WASCU-5A5, is designed for Fiber To The Room (FTTR) applications, allowing optical fiber to extend directly into individual rooms rather than terminating at a central hub. It features an in-built 1: 4 passive splitter and five adapters, which distribute the incoming fiber signal to multiple endpoints, supporting both uplink and user connections. This design ensures low-latency, high-speed performance across multiple rooms without the need for complex rewiring.

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### Multi-

Room and High-Bandwidth SupportBy converting optical signals locally within each room, the terminal box maintains consistent gigabit speeds and avoids the bandwidth bottlenecks common in traditional copper or Wi-Fi mesh networks. The passive splitter design ensures negligible signal loss, typically ≤3dB per split, making it ideal for homes or offices with multiple rooms requiring stable broadband. This setup also supports plug-and-play installation, allowing for DIY deployment if pre-wired fiber lines are available.

Integration with Smart Home and Network DevicesThe five-core terminal box can integrate with smart home devices, high-definition video streaming, and enterprise-grade applications, providing a reliable backbone for both data and voice services. It supports seamless connectivity for devices such as IP phones, cameras, and smart appliances, ensuring end-to-end optical connectivity and enabling advanced features like low-latency video calls, 4K streaming, and motion-sensing gaming.

### Advantages

Compact and wall-mountable for easy installation High-speed, low-latency distribution to multiple rooms Passive splitting reduces signal degradation Supports multi-device connectivity for smart home or enterprise environments Scalable and future-proof for high-bandwidth applications like 8K video or AI clusters In summary, the ZTE five-core indoor terminal box functions as a centralized optical distribution hub that extends fiber connectivity efficiently to multiple rooms, ensuring high-speed, low-latency, and reliable network performance for both residential and enterprise applications.

## Article Content

1:4 Splitter Terminal Box — GF378-OP-WASCU-5A5 | ZTE

The ZTE GF378-OP-WASCU-5A5 indoor Terminal Box (TB) is designed for Fiber To The Room (FTTR) applications. It has an in-built 1:4 splitter and five adapters for uplinking and user connection.

G5 Ultra

Equipped with two TS-9 external antenna interfaces, it supports NR high-frequency antenna remote-feeding technology, ensuring strong signals and seamless connections. *The external antennas need

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A device integrated within terminal boxes like the ZTE model that converts optical signals back into electrical ones locally inside each room using built-in PON ports and Gigabit LAN outputs.

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The Fiber-to-the-Room (FTTR) architecture completely revolutionizes this topology. It extends the optical fiber directly into every individual room. At the heart of this network sits the ZTE

ZTE FTTR terminal box GF378-OP-WASCU-5A5 Price and Datasheet

ZTE GF378-OP-WASCU-5A5 indoor Terminal Box (TB) is designed for Fiber To The Room (FTTR) applications. It has an in-built 1:4 splitter and five adapters for uplinking and user connection.

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Network Exposure Function, a core network element on the control plane of the 5G core network service architecture which provides access to the network capacity of 5G core networks to authorised

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What Is MDU In Telecom? Complete Guide for FTTB/FTTH Deployments

1. What Is MDU in Telecom? Core Definition & Function MDU, short for “Multi-Dwelling Unit,” refers to a type of telecom access equipment specifically engineered to provide broadband and

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All You Need To Know About Fiber Termination Boxes:

Indoor Fiber Termination Box The indoor fiber distribution terminal is a compact fiber box solution for installation requirements in small to mid-sized

Surelink 1core 2core 4core Desktop Box Indoor Access Terminal Box

Product Description SURELINK 1core 2core 4core desktop box indoor Access Terminal Box wall mounted mini ftth box Fiber optic rosette box is made from high quality ABS material. It is an indoor

All About Indoor Terminal Fiber Box: Specifications, Performance, and ...

Types of Indoor Terminal Fiber Boxes An indoor terminal fiber box is a crucial component in fiber optic network infrastructure, providing secure termination, splicing, and distribution of optical fibers within

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Fiber Termination Box Overview. Fiber termination box (FTB ...

Fiber termination box is available for the distribution and termination connection for various kinds of fiber optic systems, especially suitable for mini-network terminal distribution, in which ...

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