On which floor is the optical distribution box usually located

Overview

The installation positions of the optical fiber distribution boxes are also different in the three cases.

Key Takeaways

Optical distribution boxes are usually installed on the floor in corridors for FTTH deployments, or on walls for FTTB setups within buildings.Indoor Placement

In residential or multi-story buildings, optical distribution boxes (ODBs) are commonly placed in shared areas such as corridors, stairways, or utility rooms to provide access to multiple users . For Fiber to the Home (FTTH) networks, the boxes are often floor-mounted in corridors near the apartments they serve, allowing easy routing of fiber cables to individual units . In smaller or confined spaces, wall-mounted boxes may be used to save space while maintaining accessibility .

Deployment Variations
• FTTB (Fiber to the Building): Boxes are typically mounted on walls inside the building, often near the main entrance or in a telecommunications closet, to distribute fiber to multiple floors or apartments .

• FTTC (Fiber to the Curb): In rural or outdoor scenarios, distribution boxes are generally installed on poles or at ground level outside the building .
Functional Considerations

The placement of the optical distribution box ensures:

• Protection of fiber connections from dust, moisture, and mechanical stress .

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

• Ease of maintenance and future expansion, as boxes in accessible locations allow technicians to manage splices, adapters, and splitters efficiently .

• Compliance with building and network design standards, ensuring proper routing and minimal bending of fibers to prevent signal loss . In summary, the floor in corridors is the most common location for optical distribution boxes in FTTH deployments, while wall-mounted installations are preferred for FTTB setups, and outdoor poles are used for FTTC scenarios .

Article Content

Where are fiber optic distribution boxes usually located in building ...

The installation positions of the optical fiber distribution boxes are also different in the three cases. FTTH is on the floor, in corridors,

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved