

Application

The ZoneBox is a robust ceiling-mounted or below-raised-floor solution designed for secure fiber optic communication networks in defense environments. Leveraging our expertise in fiber-to-the-home networks, the ZoneBox extends those proven benefits into enterprise settings such as offices, user stations, and conference rooms, delivering high-speed connectivity with simplified pathways and secure access.

When deploying fiber to the desktop in sensitive settings, the ZoneBox acts as an intermediate consolidation point, breaking out multi-fiber distribution cables into individual drops. It enables efficient multi-classification runs by consolidating separate color-coded pathways (e.g., red networks) into a single sheathed cable, reducing conduit and tray fill. This distributed approach minimizes disruptions, supports government approvals and standards, and lowers the cost of provisioning and upgrades compared to centralized architectures.



Description

Utilizing the Clearview® Blue Cassette, the ZoneBox provides a ceiling-mount or below-raised-floor enclosure for enterprise applications. It scales from 12 to 144 SC ports (or 24 to 288 LC ports), complete with an integrated ceiling tile support bracket and all-thread bracket for below-floor applications. The ZoneBox is a durable enclosure engineered to protect fiber terminations in high-security settings. Access is provided by a hinged cover with keyed security to restrict unauthorized entry.

Engineered for rapid deployment in conduit, ladder rack, or wire tray pathways, the ZoneBox system prioritizes craft-friendly features, ensuring intuitive fiber jumper routing and reliable access to all connections. This facilitates quick network additions or reconfigurations without disturbing zone-to-user cabling in walls, raised floors, or drop ceilings.



Features and Benefits

Protection

- Crafted from anodized .08 gauge aluminum for exceptional strength and security
- Supports and shields 12 Clearview Cassettes from the environment
- Includes a lock and key set for enhanced security

Access

- Knock-outs for ducts, cables, and couplings
- Each side has (2) 2.5" knockouts for cable entry
- Bulkhead consists of (12) individual slots for Clearview Cassettes
- Hinged door with keyed security to restrict unauthorized entry

Strategic Investment

- Unique solution for military deployments, supporting multiple classified networks including NIPRNet, SIPRNet, and Top Secret Networks with color-coded pathways (e.g., red, green, blue) for secure multi-classification runs
- Enables scalable integration of up to 144 ports with Clearview SC Cassettes or 288 ports with Clearview LC Cassettes, optimizing performance for diverse security classifications



Technical Specifications

Clearfield ZoneBox	
Dimensions	22.5" H x 21.5" W x 8.0" D
Port Density	Up to 144 SC or 288 LC Distribution Ports
Cassette Type Supported	Clearview® Blue
Storage Capacity	Up to 5 meters of Micro Distribution Buffer Tube
Material	Anodized Aluminum
Certifications	Terminations are designed and tested to Telcordia GR-326, Compliant to Telcordia GR-20 and GR-409

Pre-Configured Part Numbers

Part Number	Description
ML-ZBC-ZZZ-ZZZ	Zone Box, Empty, Ceiling Mount, Supports Up to 12 Clearview Cassettes

