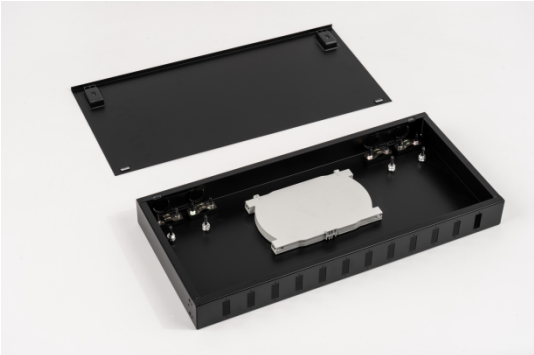
1. **Product Introduction**





The SC-type duplex 12-port rack-mounted fiber optic patch panel is used in data network communication and optical fiber communication systems for the termination and distribution of trunk optical cables at the local end. It facilitates easy connection, distribution, and scheduling of optical fiber lines. This product is suitable for small and medium-sized distribution systems such as fiber-to-the-cell, fiber-to-the-building, remote modules, and wireless base stations.

It is compatible with ST, SC, FC, and LC interfaces. When there are unused ports, plugs can be used to seal them. The fiber optic ports are easily accessible, providing flexible fiber management. The structure is compact with ample storage space for fiber reels, making installation simple and user-friendly. All adapters can be installed by carding, without the need to screw the adapters in place. The product is small in size, lightweight, and available in multiple specifications, providing high performance and efficiency for your data center wiring needs.

2. **Product Features**

- Standard 19" rack-mounted installation
- Excellent design providing reliable protection for fiber optic cable termination and adapter installation
- Compact structure, small size, lightweight, and available in multiple specifications
- Multiple cable fixation points at the rear, making fiber entry easy and flexible, facilitating cable stripping protection
- Simple structure with high strength and secure adapter card installation
- Easy to install and use: all adapters can be installed by carding, without the need to screw in the adapters
- High customization for adapters: compatible with ST, SC, FC, and LC. Unused ports can be sealed with plugs
- Fiber and pigtail bend radius not less than 30mm

3. **Product Standards**

YD/T778
ANSI/TIA-568-C.3
ISO/IEC 11801

4. Technical Parameters

Attribute	Value
Rack Height	1U
Installation Type	19" Standard Rack
Dimensions (W x D x H)	482.6 x 220 x 44 mm
Weight	2 kg
Material	Cold rolled steel, spray-painted, black

Number of Ports	12 ports
Port Type	Can be used with 12-core ST, SC, FC, or 24-core LC (maximum core count)
Operating Temperature	-25°C to +60°C
Maximum Bend Radius	≥30mm
Spray Color	Black RAL9005
Surface Treatment	Surface spray coating, smooth surface, color consistency, no flow marks, no gloss
Salt Spray Test	All fixed parts meet 24-hour salt spray test without corrosion
Accessories	M6*16 surface-mounted screws (4 pcs), M6 card-type nuts (4 pcs), installation clips (2 pcs), protective brackets (2 pcs)

5. Product Packaging

Packaging Method	Quantity per Package	Package Size	Reference Weight
Inner Box	1 unit	435 x 235 x 50 mm	2.2 kg
Outer Box	10 units	560 x 470 x 260 mm	24 kg