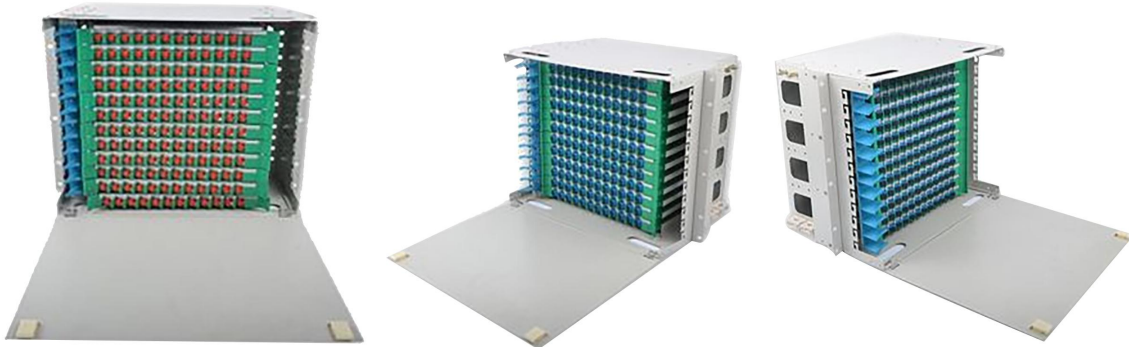


## 288 Core Fiber Optic Distribution Unit, Multimode 144 Port Fiber Patch Panel

HANGZHOU MINGXIN FIBER NETWORK TECHNOLOGY CO., LTD.



### Detailed Product Description

|                 |                  |           |                         |
|-----------------|------------------|-----------|-------------------------|
| Fiber Capacity: | Up To 288 Fibers | Capacity: | 48 Core Patch Panel     |
| Return Loss:    | >50 DB           | Body:     | Metal Cold Rolled Steel |
| Suitable Racks: | 19';21';23'      | Height:   | 1RU-4RU                 |

### 288 Core Fiber Optic Distribution Unit , Multimode 144 Port Fiber Patch Panel

The PP1004 is a 4 Rack Unit(RU) 12 termination panels, 19 - or 23-inch rack mount fiber distribution unit designed to support patching and splicing in one unit. The unit has a slide out master panel that allows for accessing terminations or for splicing if used as patch/patch splice housing.

The PP1004 have a Front & Rear both direction slide tray, the locking spring pin at rear side

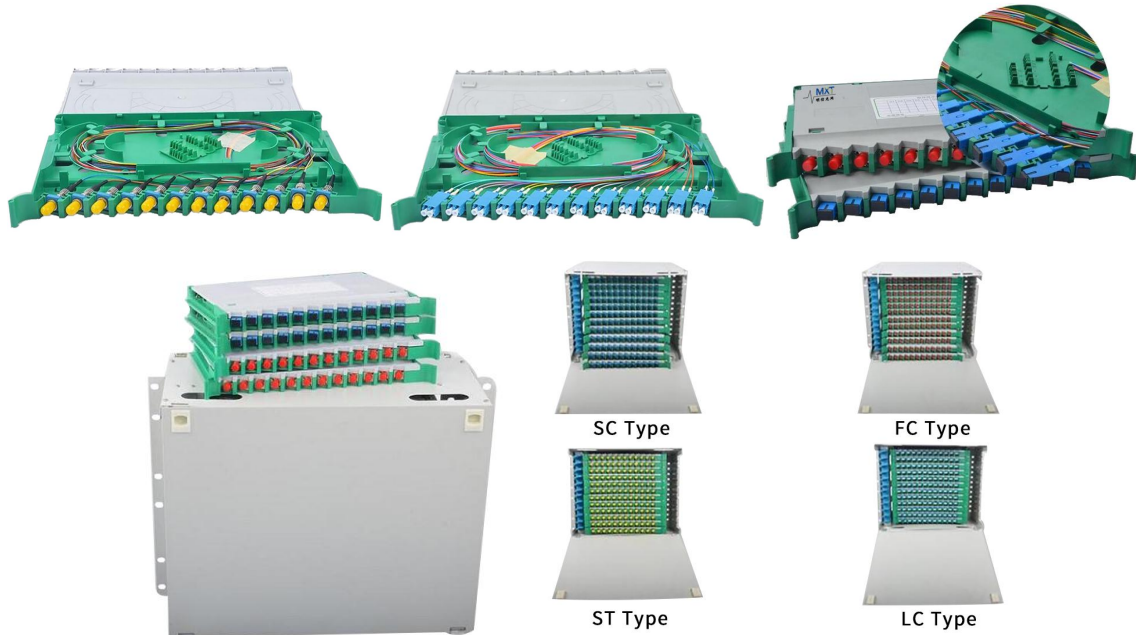
### Features

- Compliance with the Standard of YD/T925-1997
- Excellent Armor Plate, Good-looking Figure
- Design for large splicing tray
- One to four entry are available
- Metal assemblies of optic cable terminating box and optic cable metal strength chip
- Complete accessories
- Reasonable designing
- Large capacity, Core can reach 12-144cores
- Reliability
- Good protection of pigtails

### Application

- Telecommunication
- CATV
- LAN & WAN
- Network
- Broadband

### Product Show



### Preparation before installation

- A.** Check the structure and type of fiber cables before installation; different fiber cables could not be spliced together;
- B.** Seal well the connective components to reduce additional loss to fibers caused by dampness; don't apply any pressure on the connective components;
- C.** Keep a dry and dustless working environment; don't apply any external force to the cables; don't bend or entwine cables;
- D.** Appropriate tools should be used for splice of cables according to the local standards during the whole installation process.

### The installation procedure of the box

- A.** Open the front cover of the box or the top (if necessary), take down the fiber splice tray; let in the fibers from the fiber entry and fix them on the box; the devices for fixation are as follows: the adjustable collet, stainless fiber cable ring & nylon tie;
- B.** The fixation of steel core (if necessary): thread the steel core through the fixed device (optional) and screw down the bolt;
- C.** Leave about 500mm-800mm long spare fibers from the peeled point of fiber cable to the entrance of the splice tray, cover it with plastic protective tube, fix it with plastic tie at the T type holes; splice fibers as usual;
- D.** Store the spare fibers and pigtails, plug the adapters in the slots on the tray; or first plug in the adapters and then store the spare fibers, please pay attention to the direction of coiling fibers
- E.** Cover the splice tray, push in the splice tray or fix it with the slot at the edge of the box;
- F.** Install the box inside 19" standard mounting equipment.
- G.** Connect the patch cord as usual.

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### Fiber Optic Patch Panel Specification

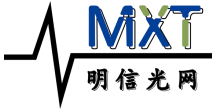
- Environment temperature: -25°C~+45°C
- Relative humidity: ≤85%(30°C)
- Atmosphere pressure: 70~106KPa
- Insulated Resistance: ≥2×10MΩ/500V(DC)
- Intensity ≤15KV(DC)/1min no spark-over and no flying arc
- Fiber bending radius guaranteed more than 40mm: ≥40mm

### Application

It is applicable for straight-through connection and diverged connection in aerial layout, duct and direct buried. It can protect fiber connectors.

|   |  |
|---|--|
| Environmental Data  |  |
| Working temperature   | -40°C +70°C                                |
| Working humidity  | <95%(30°C)                                 |
| Working atmospheric pressure  | 70-106Kpa                                  |
| Electricity Data  |  |
| Under the general air pressure, 500VDC, insulation resistance >1000MΩ                               |  |
| The high voltage protection can undertake 3000VDC, no spark-through and flashover within 1 minutes. |  |
| Optical performance data  |  |
| Connectors loss( including insertion, changeability and durability)                                 | ≤0.3dB                                     |
| Additional loss in changeability  | ≤0.2dB                                     |
| Additional loss in durability   | ≤0.1dB                                     |
| Return loss   | FC/PC ≥40dB,<br>FC/UPC ≥50dB. FC/APC ≥60dB |
| Plug-draw life  | 1000times                                  |

| Operating Wavelength(nm) | 820±40/980±40/<br>1310±40/1550±40 | 980&1550±40/<br>1310&1490&1550±40 | Parameter   | Unit   | Value          |  |
|--------------------------|-----------------------------------|-----------------------------------|-------------|--------|----------------|--|
| Coupling Ratio (%)       | Insertion Loss (dB)               |                                   |             |        | Fiber Type     | Hi 780/ Flex 1060/<br>SMF-28e/ SMF-28e<br>XB |
|                          | Tap                               | Signal                            | Tap         | Signal |                |  |
| 01/99                    | 19.0-21.0                         | ≤0.20                             | 18.5-21.5   | ≤0.25  | PDL            | dB<br>Typ.: <0.1<br>Max.: <0.15              |
| 03/97                    | 14.6-16.2                         | ≤0.30                             | 14.5-16.5   | ≤0.30  | Directivity    | dB >55                                       |
| 05/95                    | 12.4-13.8                         | ≤0.35                             | 12.0-14.5   | ≤0.45  | Return Loss    | dB >50                                       |
| 10/90                    | 9.70---10.7                       | ≤0.60                             | 9.70-11.2   | ≤0.60  | Excess Loss    | dB Typ.: <0.1 Max.: <0.2                     |
| 20/80                    | 6.70---7.60                       | ≤1.15                             | 6.60---7.80 | ≤1.15  | Pigtail Dia.   | mm 0.25 / 0.9 / 2 / 3                        |
| 33/67                    | 4.65---5.65                       | ≤1.70                             | 4.50---5.85 | ≤1.80  | Pigtail Length | cm >100                                      |
| 40/60                    | 3.95---4.30                       | ≤2.50                             | 3.70---4.70 | ≤2.70  | Operating Tem. | °C -10~ +70                                  |
| 50/50                    | 2.85---3.30                       |                                   | 2.80---3.40 |        | Storage Tem.   | °C -40~ +85                                  |



## 288 Core Fiber Optic Distribution Unit, Multimode 144 Port Fiber Patch Panel

**HANGZHOU MINGXIN FIBER NETWORK TECHNOLOGY CO., LTD.**

### FAQ

**(1) Can you do design for us?**

We have a professional designer team to help our customer do design work.

**(2) If we have our own supplier which don't have export service, can you do agent for us?**

We have agent service for our customer, especially in Yiwu agent, if you need any help, please feel free to contact us.

**(3) What the regular MOQ for your product?**

MOQ:120pcs/Design.If you have many designs,we can have small MOQ.

**(4) What's your payment term?**

We are regular doing 50% deposit and 50% balance payment by TT. Base on our cooperation, we also can do other payment way. If you have any specially request, you can talk with us.

**(5) How does your quality control?**

We have a professional QC team, we will control the goods quality during all the mass production, and we can do inspection service for you.

**(6) If we don't have any shipping forwarder in China, could you do this for us?**

We have very good relationship forwarder company, we can suggest them to you, and you will get the best shipping price, and have excellent service.

You can tell us which kind product you are interested in, we will update the hot selling item to you every week.

**(7) If we want to develop some new item, but maybe we just have some idea, how can you do?**

We can make new mold base on your idea, generally, if your quantity is more enough, we can refund the mold cost to you.

**(8) I never come to China before, can you be my guide in China?**

We can arrange our driver to pick you up from airport to our company, and to book the hotel for you.

Of course, if you want to visit the market or factory, we can arrange our colleague to be your assistant.

**(9) I can't speak Chinese or English, can you find one translator for me?**

You can tell us which language you speak, we will find the translator for you, and will be together work.

### MXT care our life

As the specialists in the field of marketing, process development, design, engineering and project implementation, MXT focuses on continuous research and development to yield a range of products and service that guarantees technologically advanced solutions.

MXT, as world-class manufacturer of optical fiber, cable and FTTH products, grows together with its employees, establishes strategic partnerships with its customers and gives all its efforts to support the world-wide development of optical fiber communications.

Hangzhou Mingxin Fiber Network Technology Co., Ltd. is one of the leading developers and professional manufacturers of fiber optical technology and high quality fiber optical communication products. We provide Fiber optic patch cord, Fiber optic connector, Fiber optic adaptor, Fiber optic PLC splitter, Fast connector, Fiber optic patch panel, Fiber terminal box, Fiber closure and more. For high-quality patch cord production line equipment, we can also offer insertion and return loss tester, interferometer test machine, connector tip microscope, connector crimping machine, connector polishing machine, connector heating oven, automatic cable cutting machine, etc.