LONGXING

- ODF
- Patch Panels

Scan for more details

LONGXING

Products & Services

- Fiber Optics »
- Data Centre »
- Copper »
- Power / Active »

Customized
FTTX
Solutions
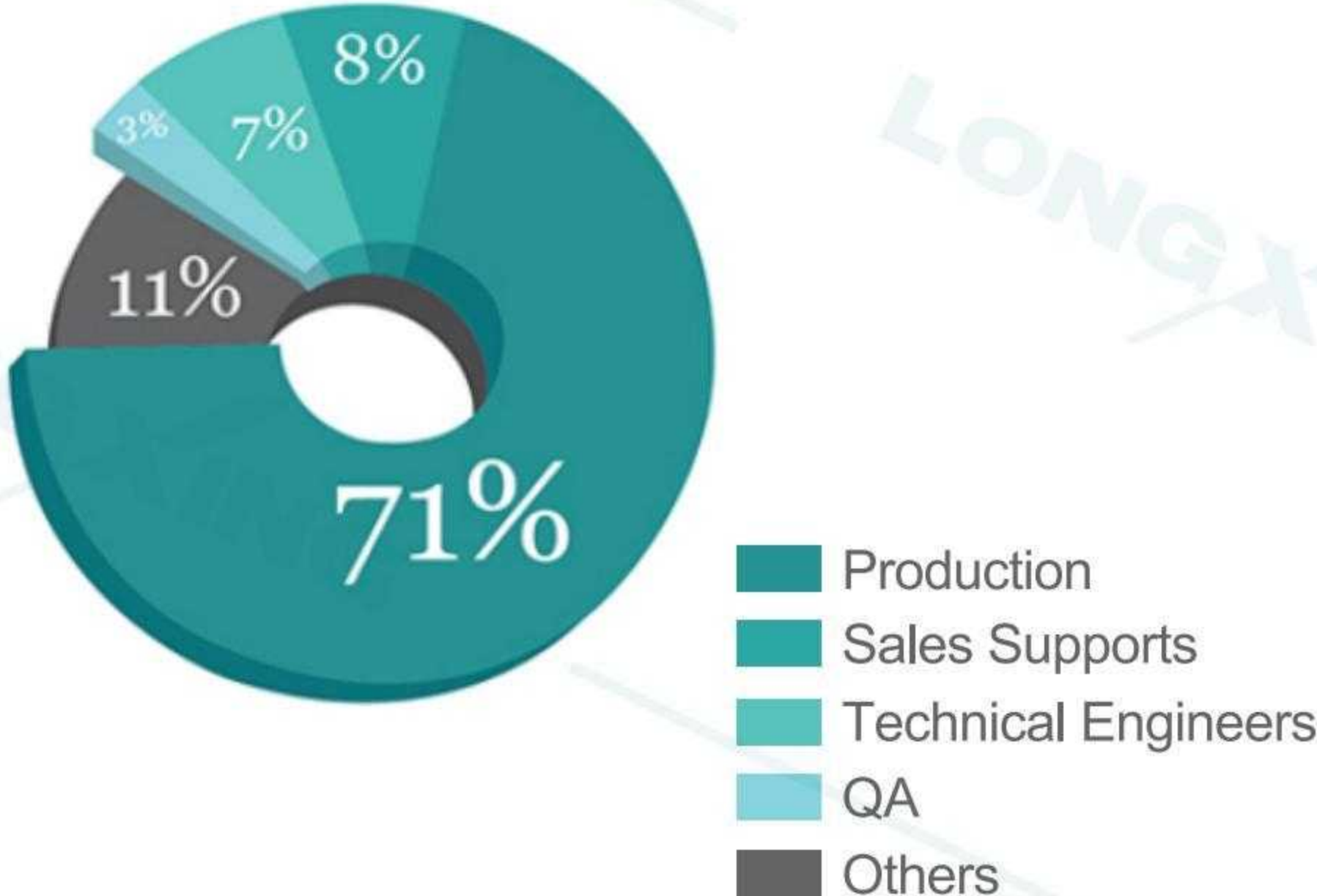
Staff:800+

- 71%
- 11%
- 8%
- 7%
- 3%

- Production
- Sales Supports
- Technical Engineers
- QA
- Others
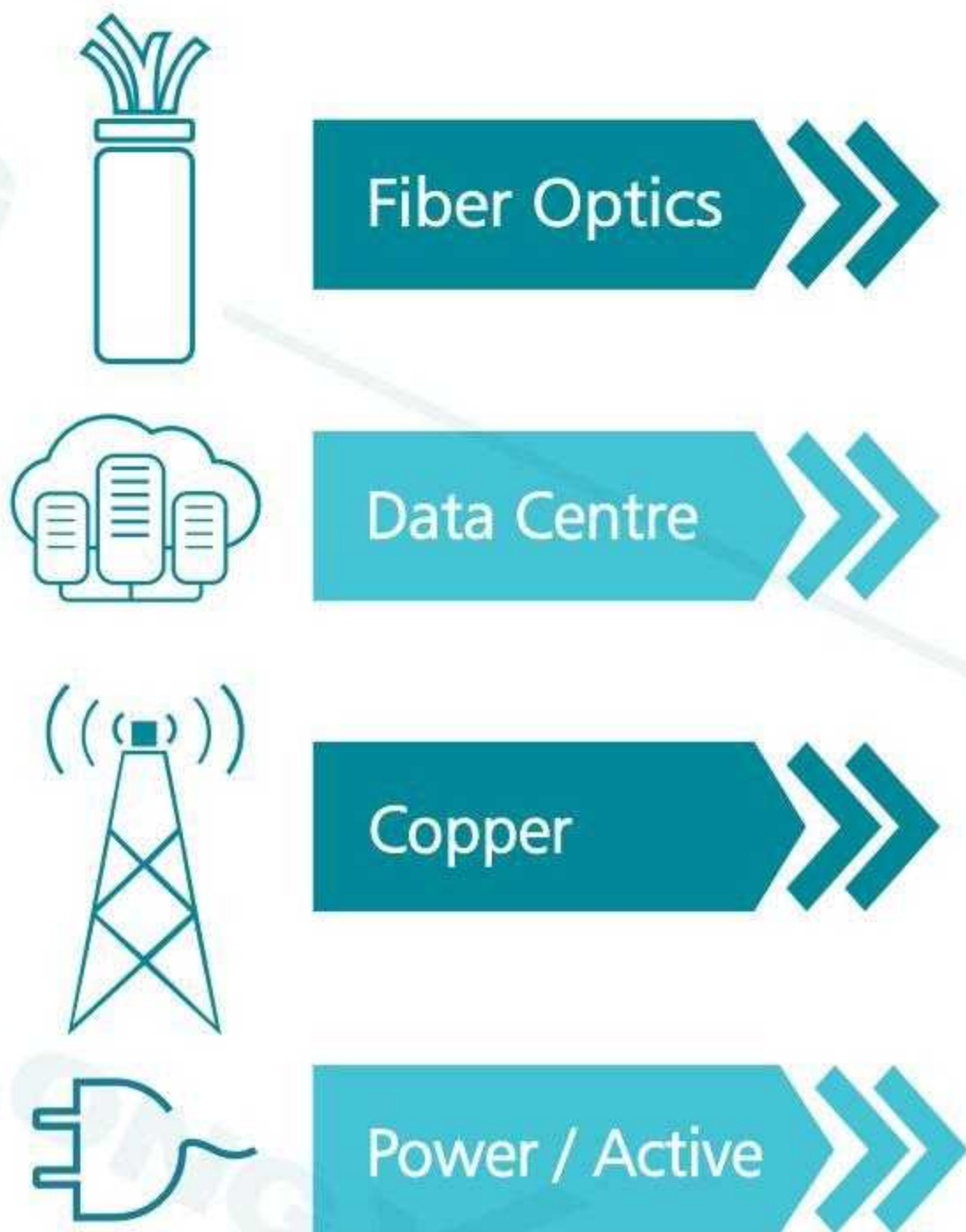
Qualification

TL 9000

ISO 14001

ISO 9001

Quality Guarantee

History of LONGXING

| 1983	1996	1998	2003	2008	2009	2010	2015	2017	2019	2023
Establishment		2nd Factory		Supplier of Beijing Olympics		3rd Factory				Clients from 80+ Countries
	ISO 9001		ISO 14001		$100M		4th Factory		More Advanced Equipments	TL 9000
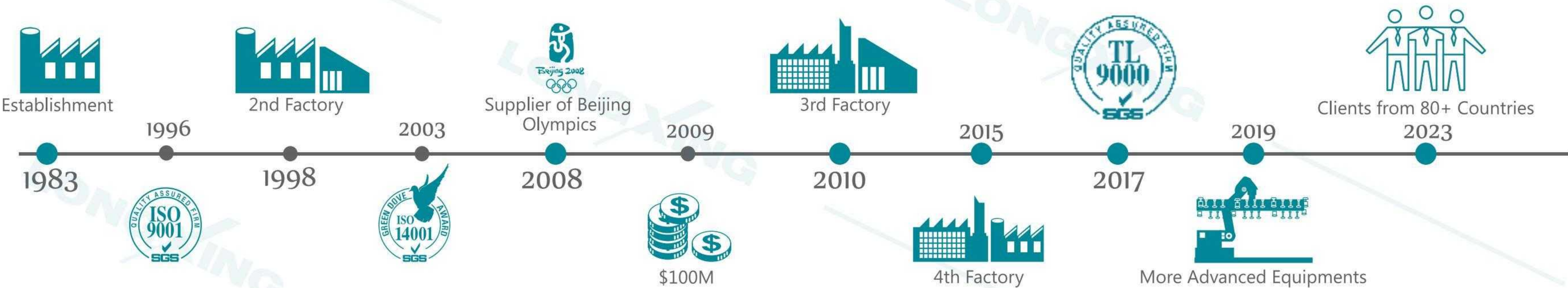
CONTENTS

▶ About us

LongXing has been applying its incomparable know-how in fiber optics and copper to actively develop products that enhance telecommunications for over 40 years.

Our products and solutions extend from the data centre to central offices, curbs and straight to your home. We produce passive and active products, as well as indoor and outdoor products (ex: ODF, network cabinets, distribution boxes, cable tray, systems splice closures, outdoor cabinets, PDUs, micro data centre and optical accessories).
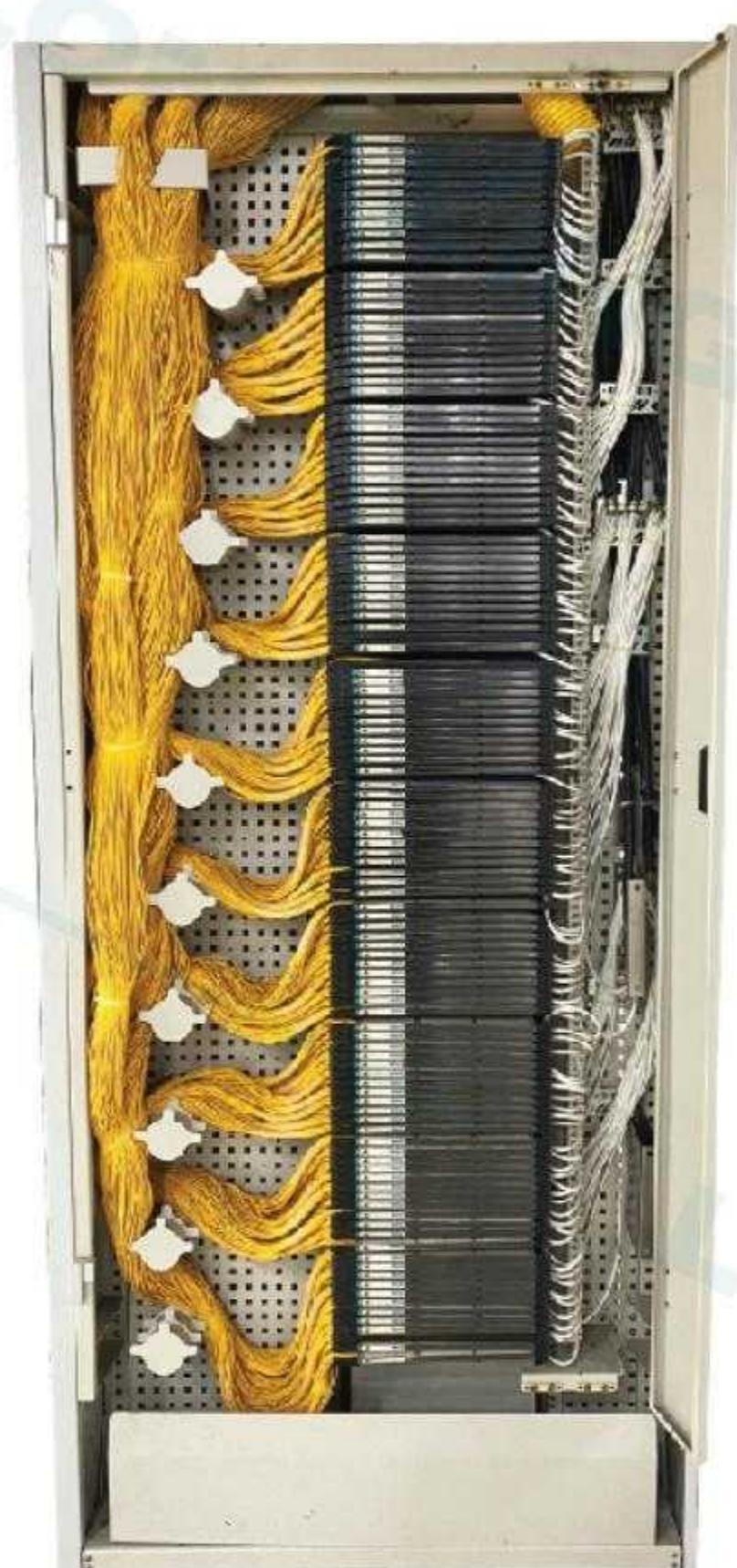
LongXing is an environmental friendly company and we are minimizing the printed documents including marketing brochures. Therefore this brochure does not cover all the products and solutions we provide, for further information please visit us at www.lxtelecom.com, or contact us at info@lxtelecom.com.
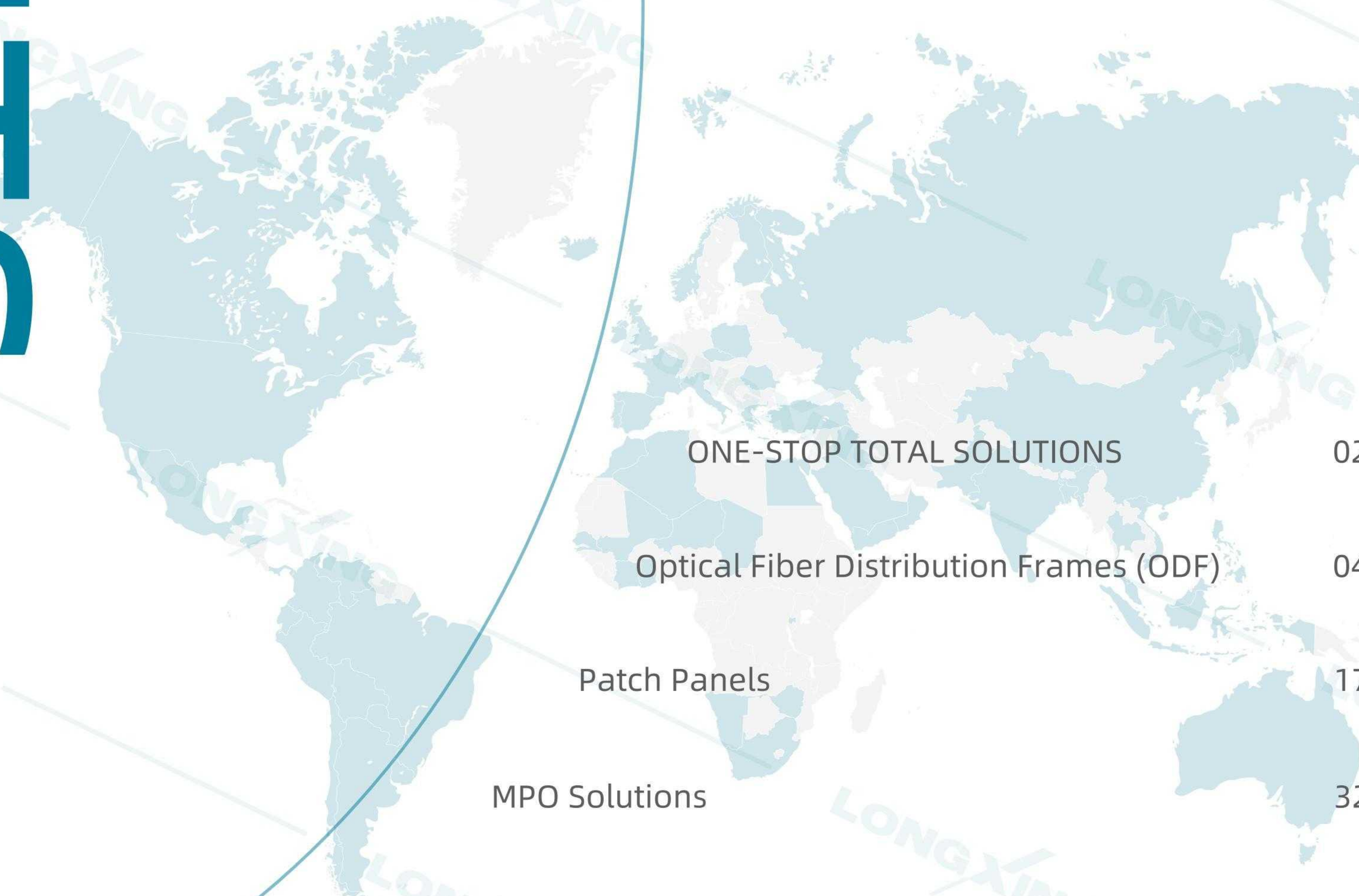
Current Market Coverage
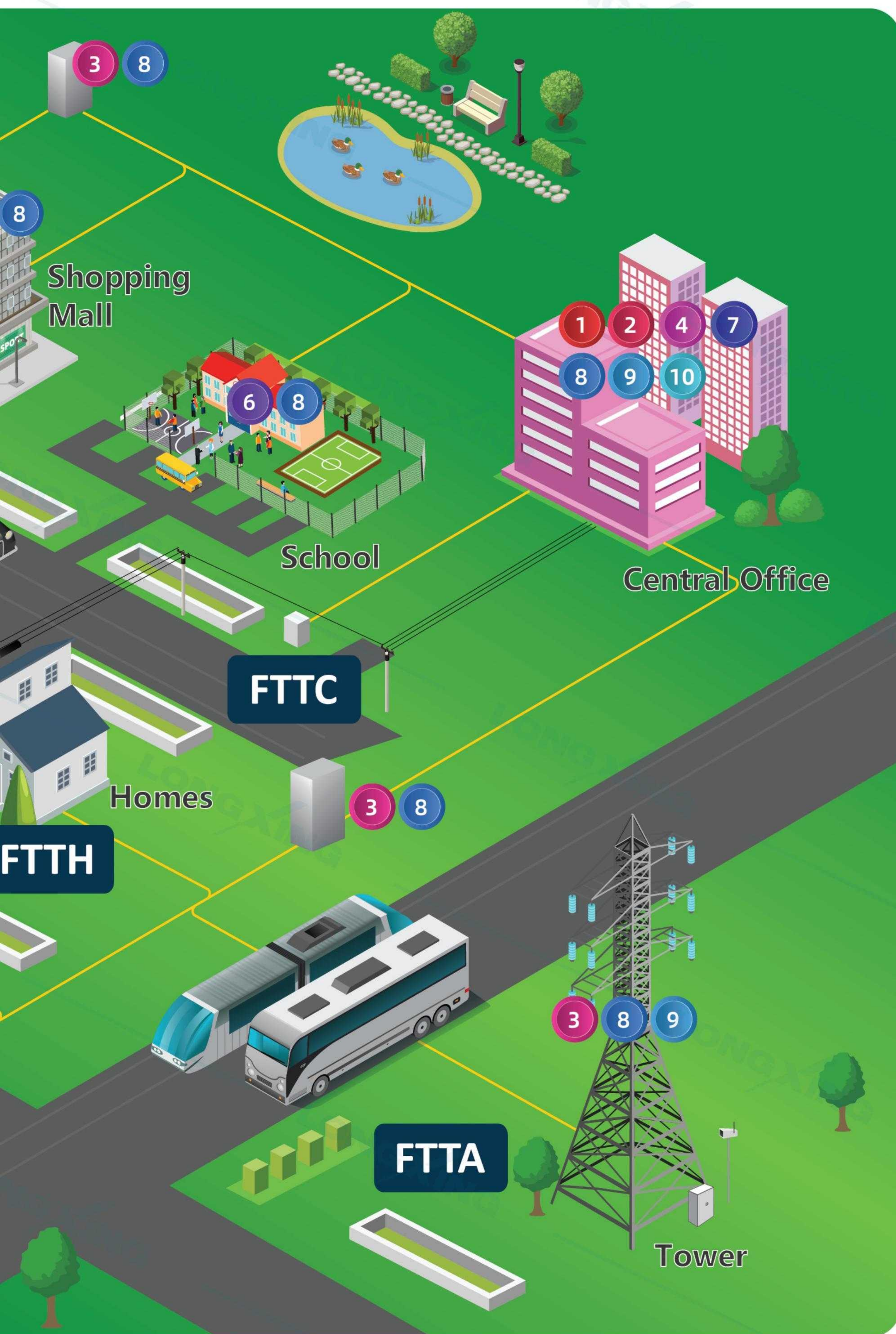
1 ODFs

2 Patch Panels

3 Outdoor Cabinets

4 Data Centers

5 Splice Closures

Factory

Factory

FTTB

Office Building

FTTH

Residential Areas

TOTAL SOLUTIONS

3 8

8

Shopping Mall

6 8

School

1 2 4 7
8 9 10

Central Office

FTTC

Homes

3 8

FTTH

FTTA

FTTA

3 8 9

Tower

10 Network Cabinets
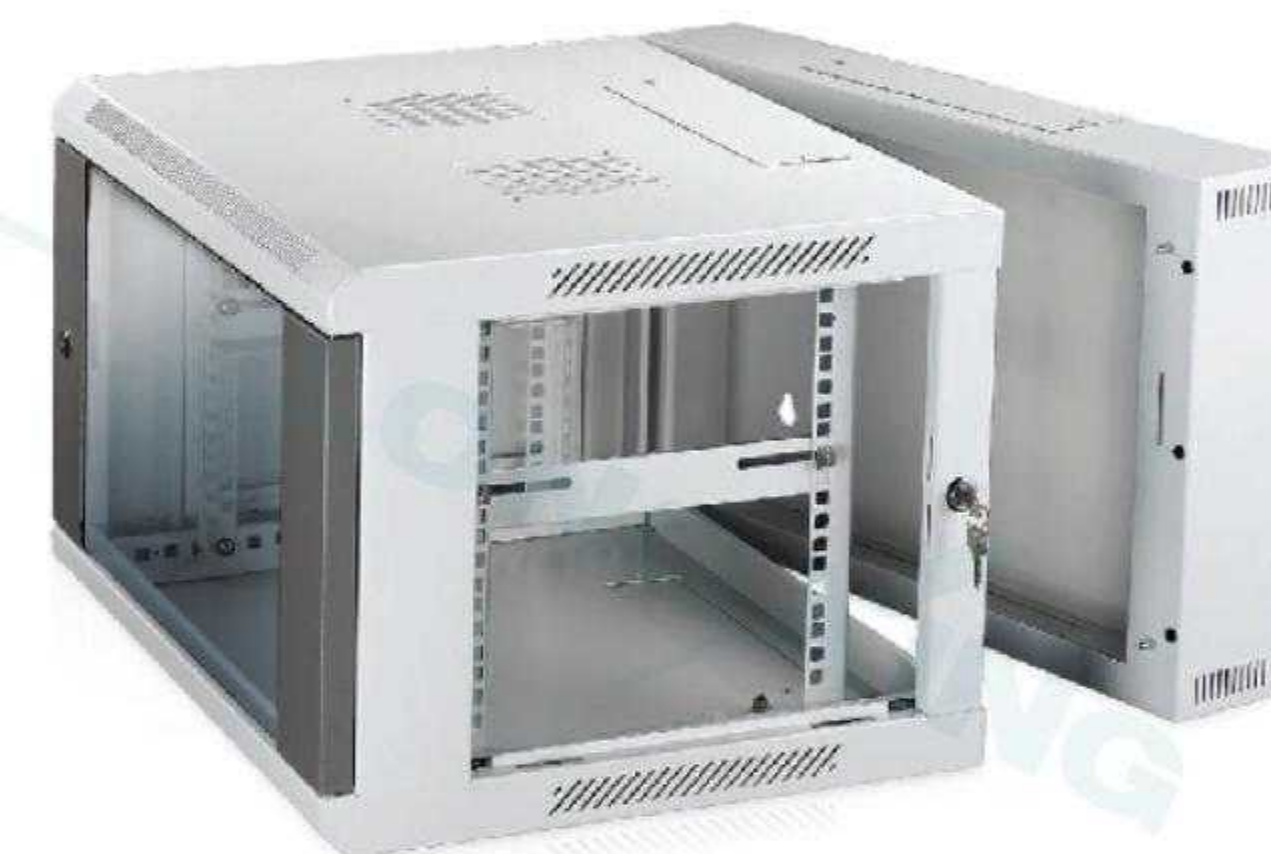
9 Power Managements

8 Splitters & WDMS

6 Distribution Boxes

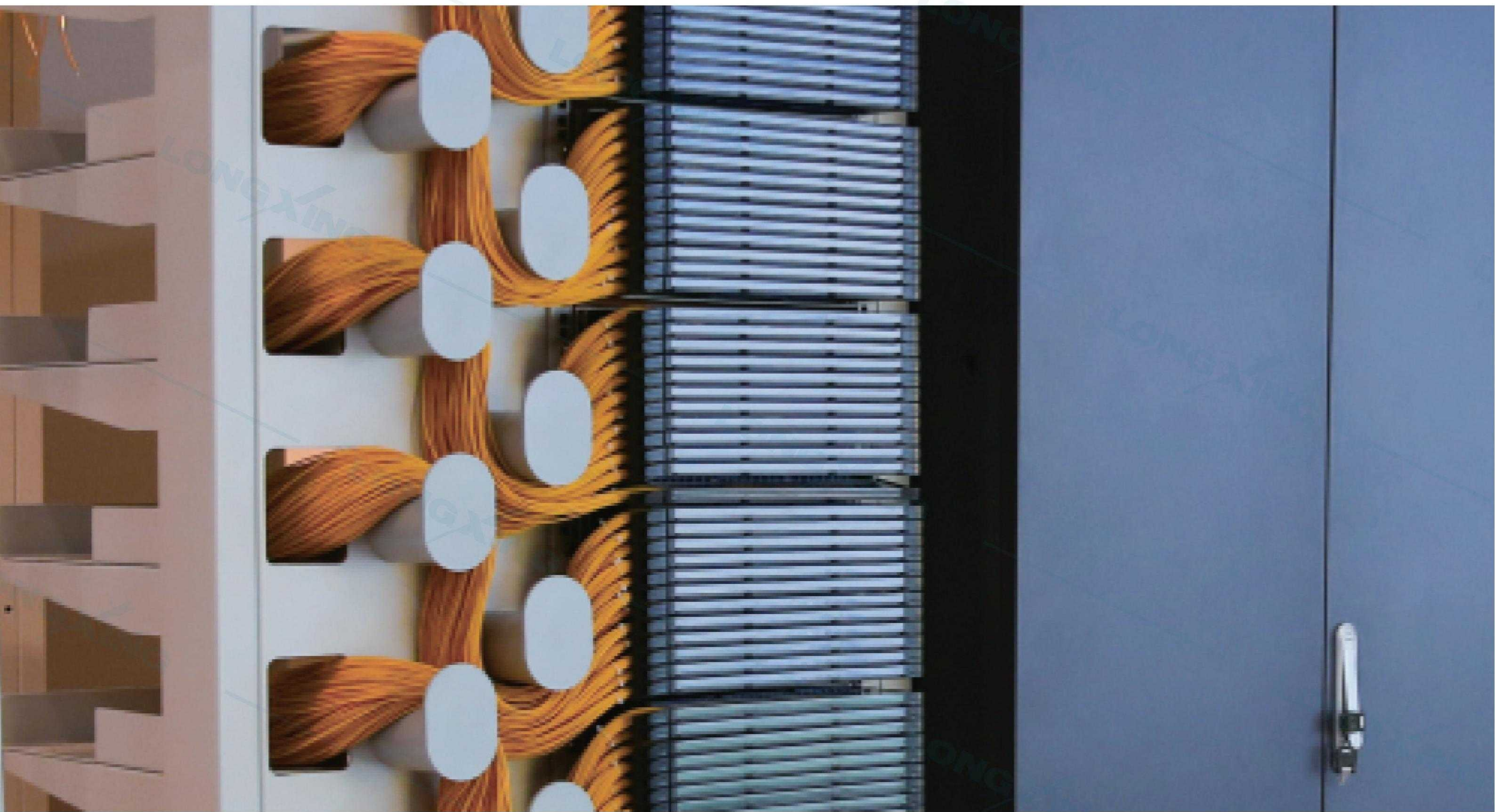**7** Cable Trays

Optical Fiber Distribution Frames (ODF)

- LongXing offers wide range of High Density Optical Fiber Distribution Frames which are ideal for using at the IDCs and the central offices.

- These ODFs are used to provide efficient cable connections between communication facilities. LongXing's ODFs integrate fiber splicing, storage, and cable connections together in a single unit.

LONGXING
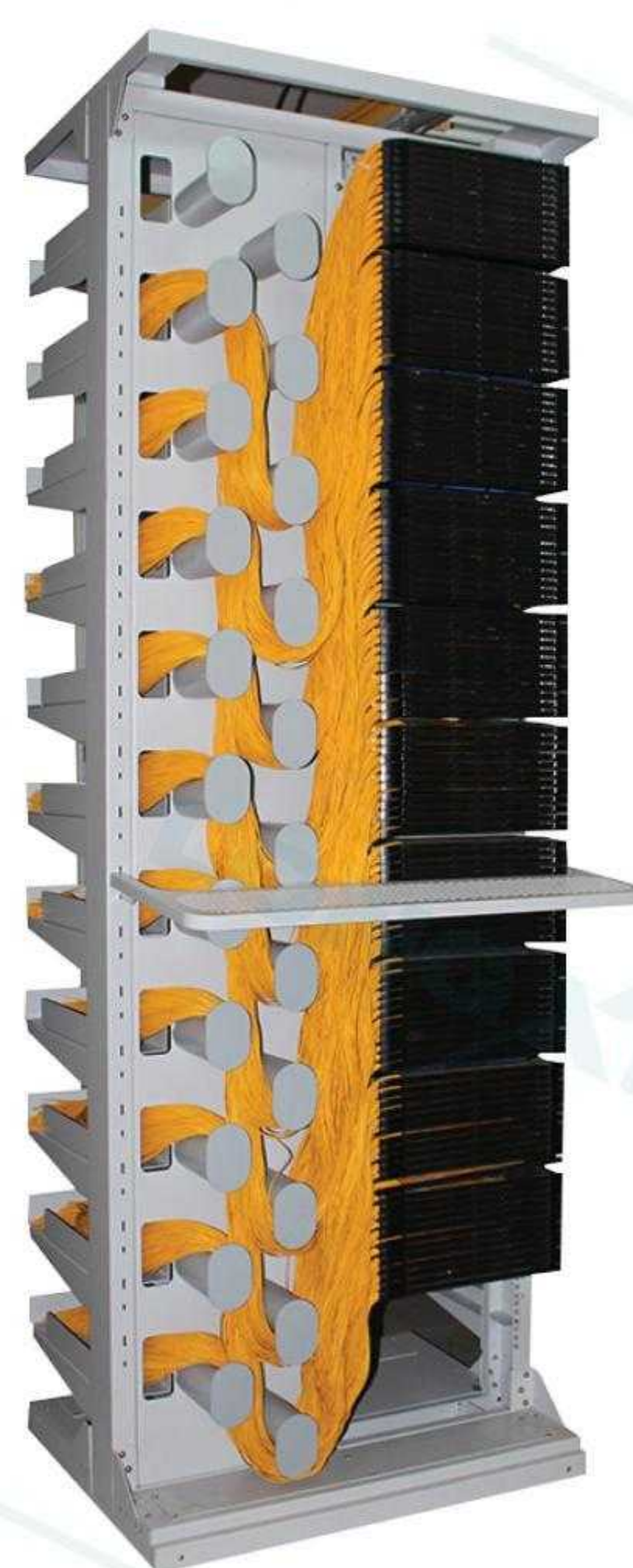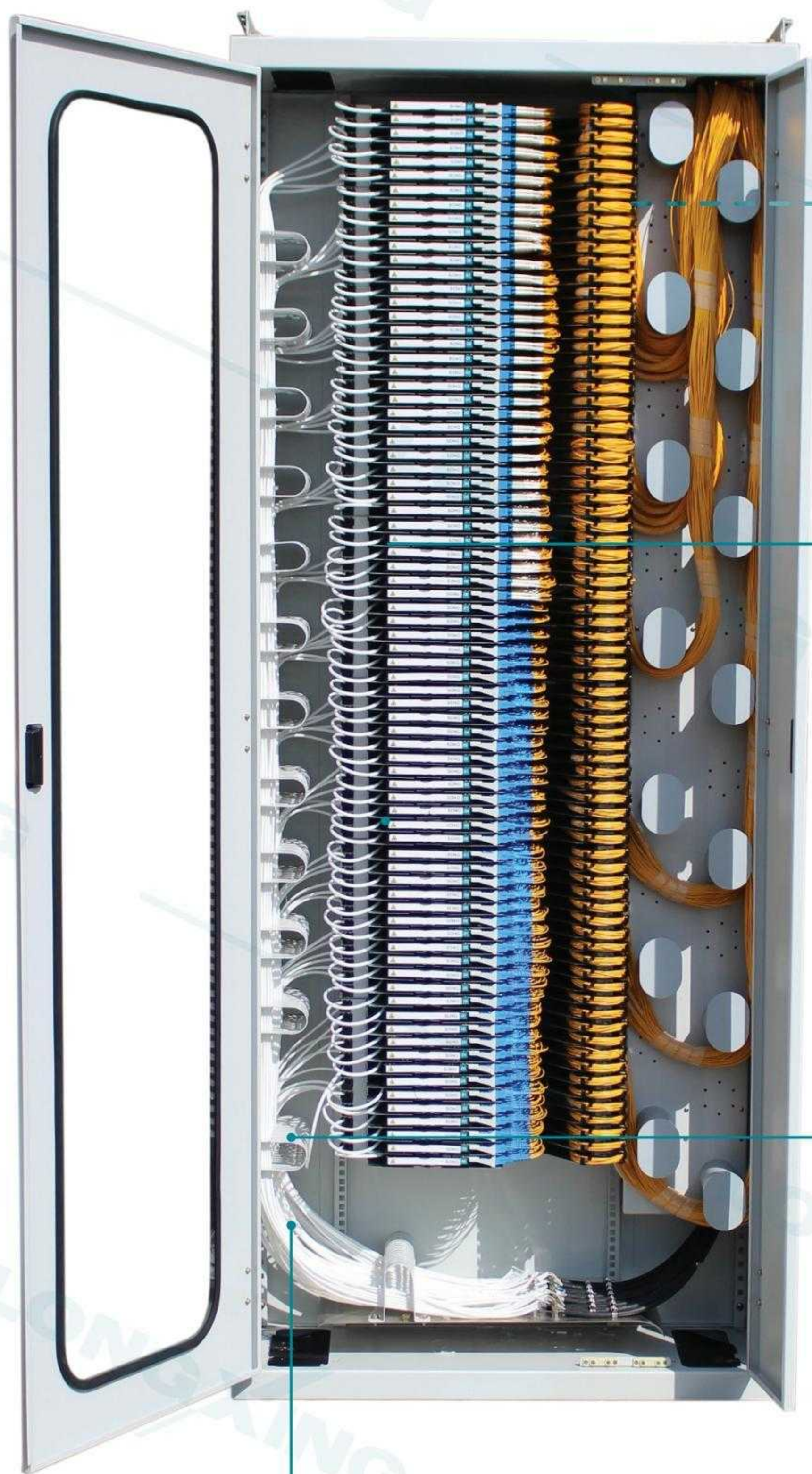
Rack Moun Patch Panel ODU-L21

Ultimate new design with the most advanced splice & patch system and cable management

ODU-L21

Double Sided Module System

Enable high density splice and patching up to 24 cores for LC duplex adapter (flangeless), 12 cores for SC simplex adapter (flangeless).

Storage Side   Splice Side

Incoming Cable Management

Special guiding slots ensure secure and flexible guidance of the fiber protection tubes to the splice modules.

Miniflex™ Tubes

Miniflex™ Protection Tube is a flexible tube made from tough polymers to protect optical fibers or lightweight optical fiber units.

GPX82-10

Features
- Highly stable and rigid construction.
- Standard 19" & ETSI installations.
- Designed to be used together with high density side access type patch panels.
- Maximum fiber density of 2016 ports (splice & patch) and superior cable management.
- Special cable glands to fix the maximum number of bundle cables on the ground.
- Slot type cable guide compartments to feed the modules via miniflex tubes.
- No crushed or stressed fibers.
- Wide range of splice, patch and cable storage options.
- Bend radius protection of 35 mm throughout entire frame and all modules.
- Max cable protection.
- Interchangeable cassettes for various cable/tube counts and connector styles.
- Accepts WDM and splitter cassettes.
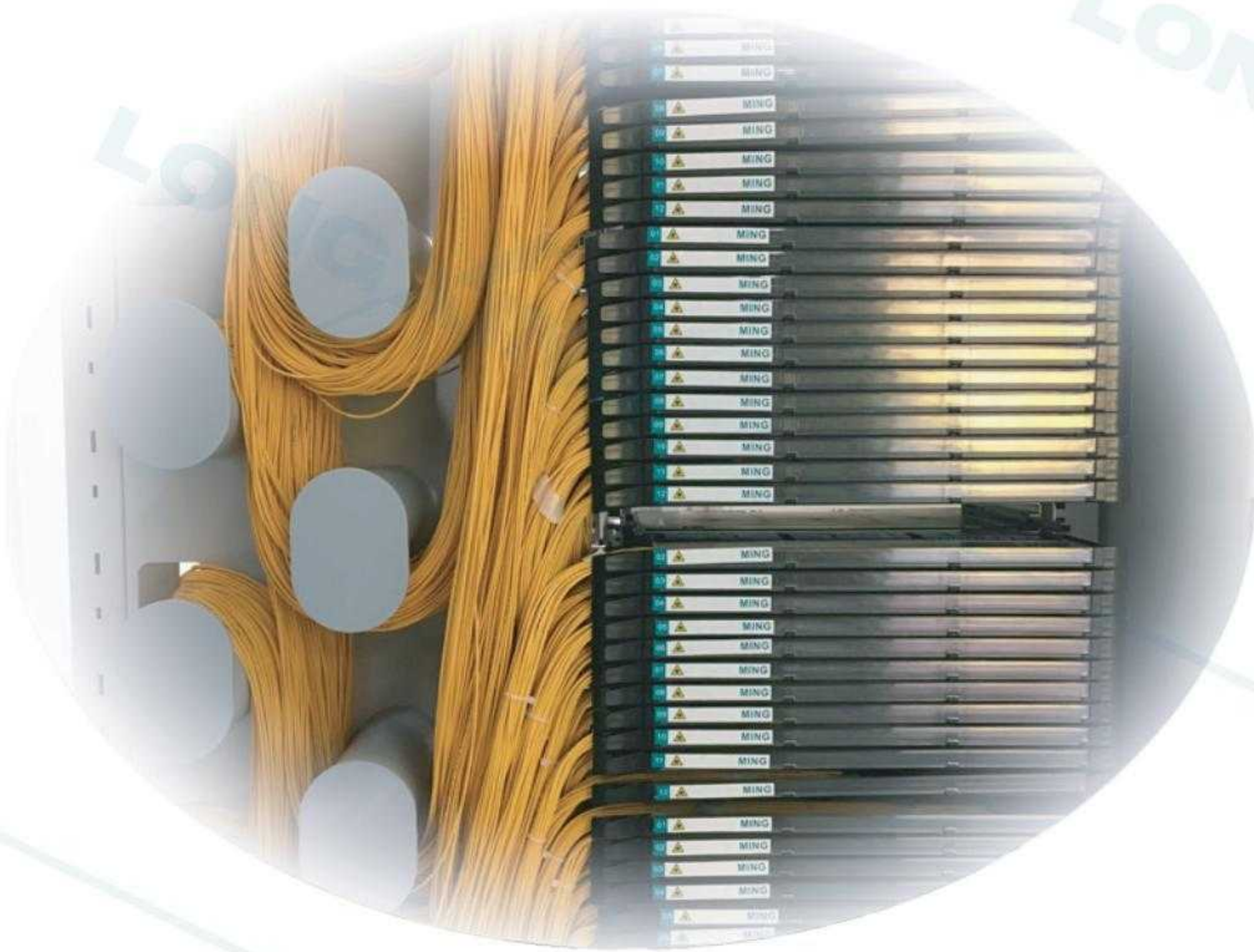- Integral patch cords management.

	Dimensions(H*W*D)mm	Max Capacity(SC)	Max Capacity(LC)	Patch Panels with Regular Rail		
GPX82-10	2200*900*300	1008	2016	Model	SC	LC
				3U	72	144

LONGXING

GPX82-9-1

Up to 4752 Cores!

MAYBE THE
HIGHEST DENSITY
ODF IN THE WORLD
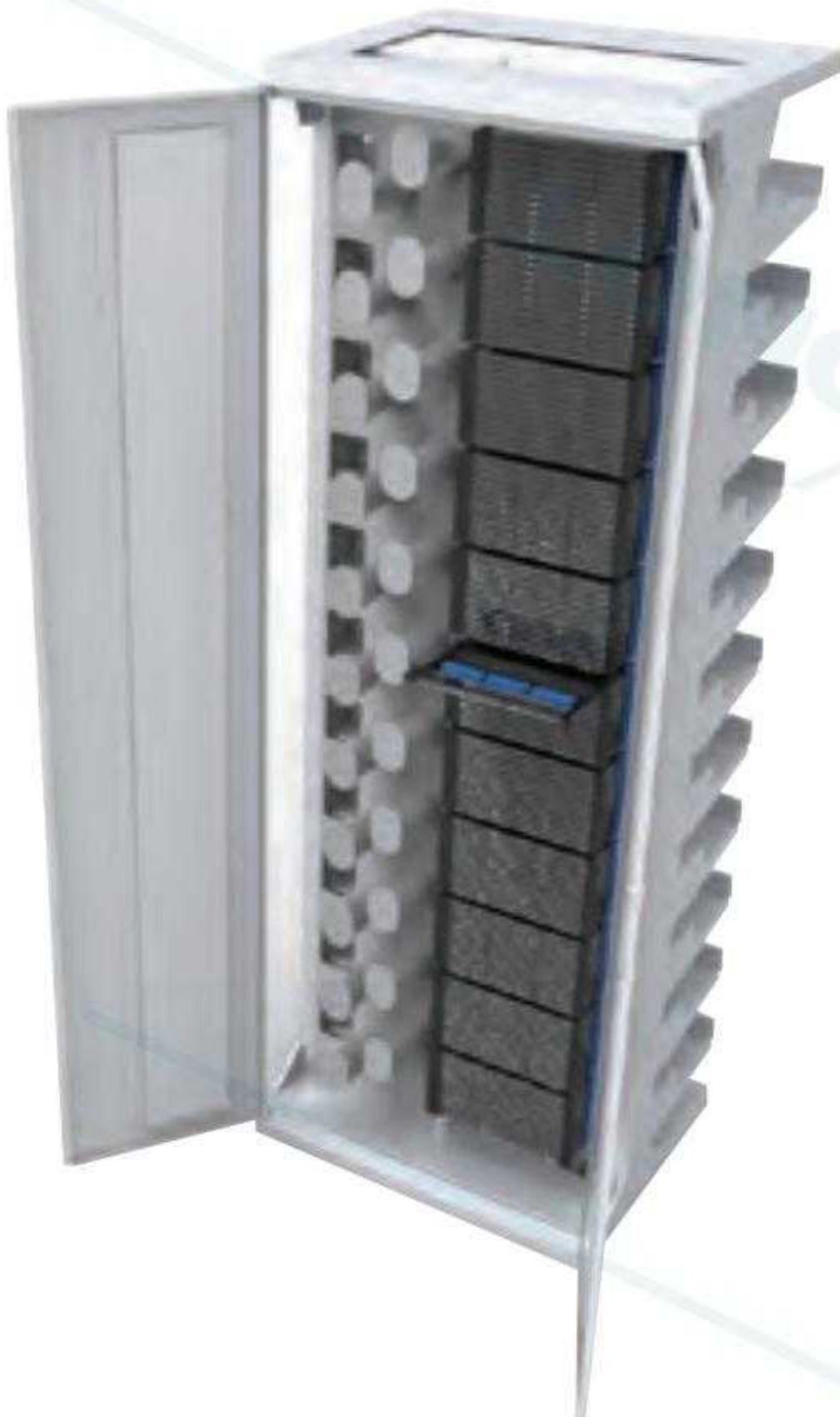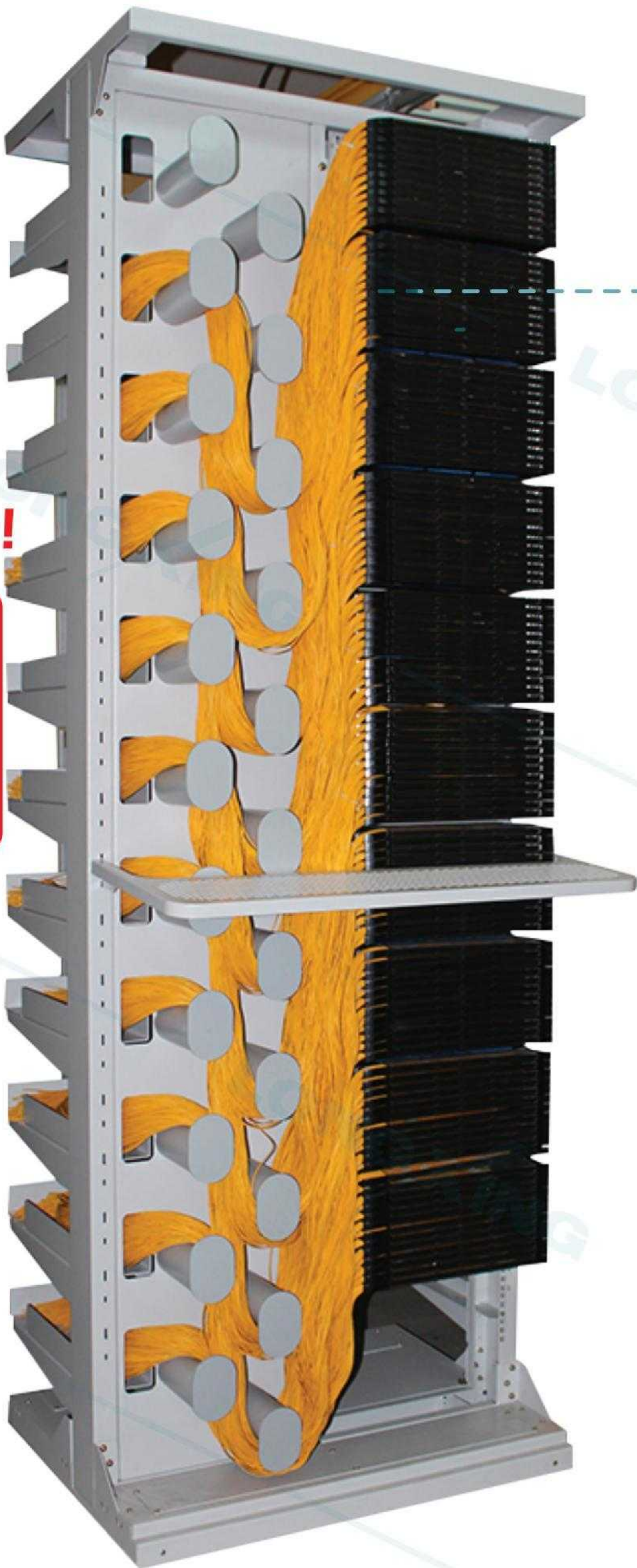
GPX82-9-1

Features

- Supports up to 4752 LC or 3168 SC ports per frame: Saves space through increased port density.
- Front or rear cable access options available.
- Modular design: Enables one rack for many application spaces e.g. central office, headend, FTTx and data center.
- Increased patch cord routing space: Supports standard 1.6 and 2.0 mm patch cords.

Series H

	Dimensions(H*W*D)mm	Max Capacity(SC)	Max Capacity(LC)	Patch Panels with Regular Rail		
				Model	SC	LC
GPX82-9-1	2200*760*610	3168	4752	1U	72	108
				2U	144	216
				4U	288	432

GPX82-9-2

Features

● Supports up to 4320 LC or 2880 SC ports per frame.
● Front or rear cable access options available.
● Modular design: Enables one rack for many application spaces e.g. central office, headend, FTTx and data center.
● Increased patch cord routing space: Supports standard 1.6 and 2.0 mm patch cords.

Series H

	Dimensions(H*W*D)mm	Max Capacity(SC)	Max Capacity(LC)	Patch Panels with Regular Rail		
GPX82-9-2	2200*900*300	2880	4320	Model	SC	LC
				1U	72	108
				2U	144	216
				4U	288	432

LONGXING

GPX82-5


GPX82-5

Features

- There are 19" or ETSI mounting rails in the middle of the frame for installing ODFs.
- Available colors: white, black, grey or any other colors on request.
- All the plastic elements in the frame are fire-resistant meet UL94-V0.
- Reliable cable fixture cover and earth protection device/ grounding system provided.
- Enough space for fiber distribution and storage space and very easy for installation and operation.
- Fully front operation, convenient for maintenances.
- Minimum bend radius is controlled of 30mm.
- Cable guides mounted on left and right side of canal are removable and relocatable to different positions within the same vertical line, to ensure a minimum bend radius of 30mm for the patch cords from any ODFs.
- There are two lateral canals with separate doors (on left and right side of the frame) for distribution and management of fiber optical cables.
- The side-hinged doors help to well protect the patch cords distribution area.
- The optical cable inlet system is installed on the top or bottom of the frame which has excellent performances for fixing the incoming cables.
- Cables can be entered to the frame either from top or the bottom of the frame subject to different requirements.
- This Frame is suitable for both bundle (loose) cables and ribbon type cables.

|	Dimensions(H*W*D)mm	Capacity (SC)	Capacity (LC)	ODU-L10-4U
GPX82-5	2200*900*300	864	1728	Max. 9 units
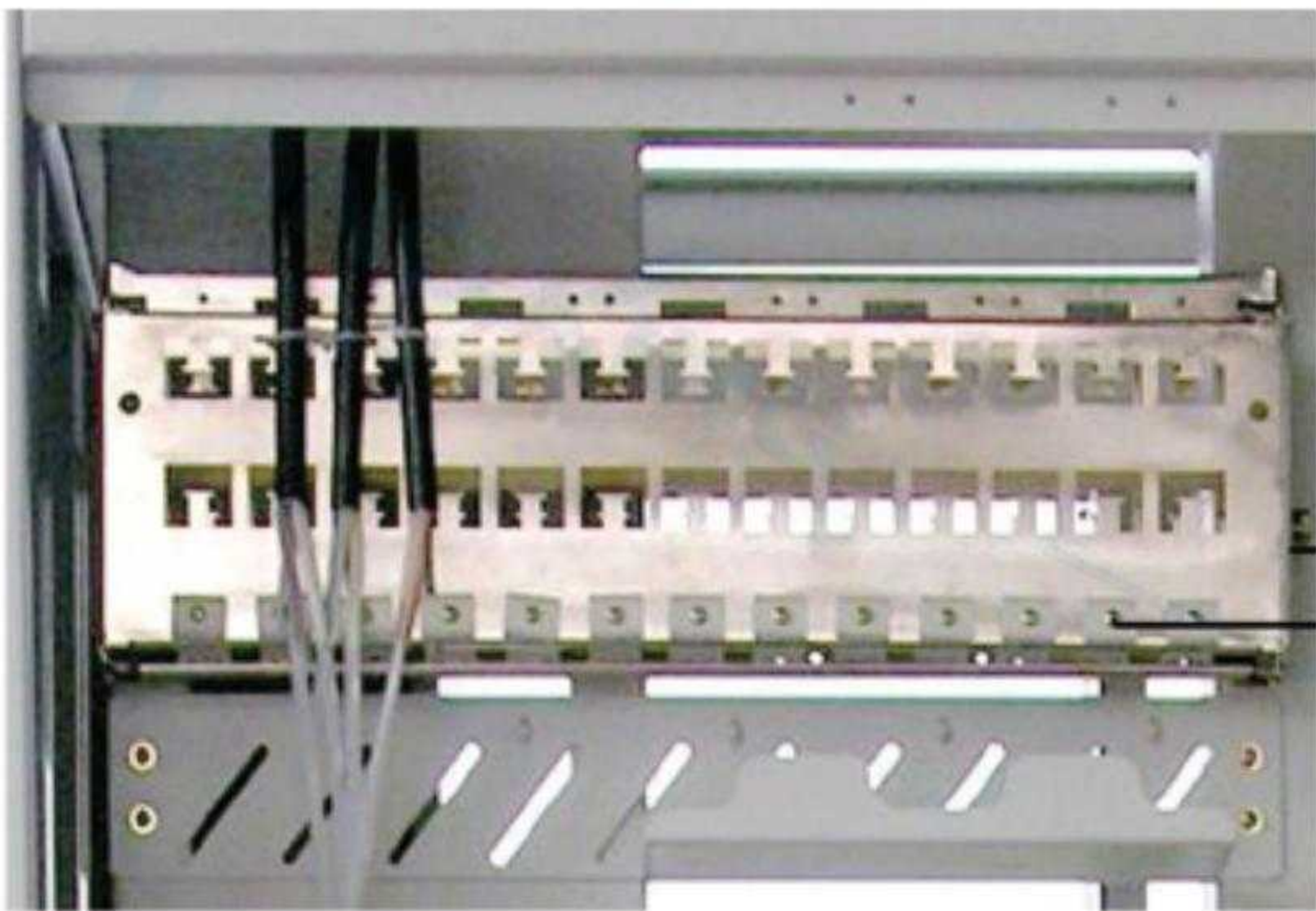
GPX09S

Features

● The frame is not only indoor terminal, but also double-sided optical fiber and pigtail equipment, contains the functions of optical fiber terminal distribution, transfer and storage, with the advantage of big capacity, convenient for both operation and maintenance, as well as plays a major role in optical fiber protection.

● Double-sided operation: Line modules at front side are used to outside cable fixing, stripping, splice and terminal; Row modules at back side are used to terminal equipments' pigtails and patch cords, left side fixing equipments' pigtails, as well as right side fiber-winding shaft.

● Line: SC or FC 12 cores adapter is installed on the drawer-type 12 cores integrated tray, and the tray is installed on the tray rack mount; Row: SC or FC 12 cores adapter is installed on the revolving 12 cores integrated tray, and the tray is installed in the 72 cores unit cabinet.

● Cables and fibers can be inlet from the top of the frame through separate entrances. Cable (fiber) entrances are protected by cable-protected ribbon and contain enough space for fiber passing.

● Multilayer horizontal fiber trays are installed on the row modules of the frame, convenient for frames combining.

	Dimensions(H*W*D)mm	Quantity of Line Module Tray	Quantity of Row Module Unit	Max Capacity
GPX09S	2000*840*600	48	5	1152
	2200*840*600	60	6	1440
	2600*840*600	72	7	1728

LONGXING

ODM BI-B0
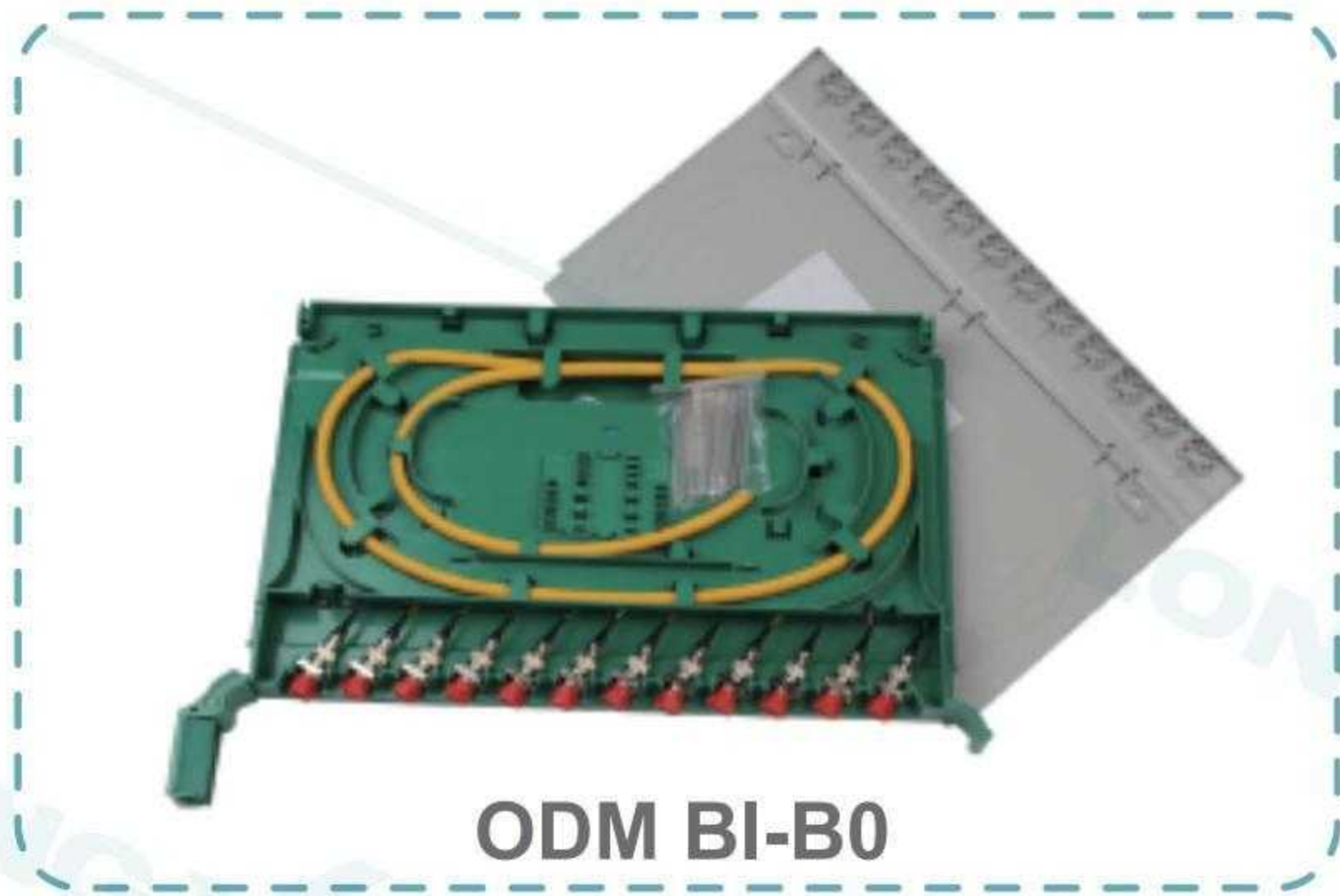
GPX09T

Features

● The indoor frame contains the functions of optical fiber terminal, distribution, transfer and storage, with the advantage of big capacity, convenient for operation, as well as plays a major role in optical cable communications.

● Fully front operation.

● Adapters are installed on the 12 cores splice and distribution integrated tray , as well as the tray is installed on the tray rack mount. (Capacity subjects to different requirements).

● Cable and pigtail can be inlet from the top of the frame. Cable (fiber) inlet hole is protected by cable-protected belt and contains enough space for fiber crossing.

● Both left and right sides of the frame are embedded removable structure, as well as the side rack should be removed when frames combine.

	Dimensions(H*W*D)mm	Quantity of 12 Cores Integrated Trays	Full Capacity (without Splitter Tray)
GPX09T	2000*840*300	48	576
	2200*840*300	54	648
	2600*840*300	72	864
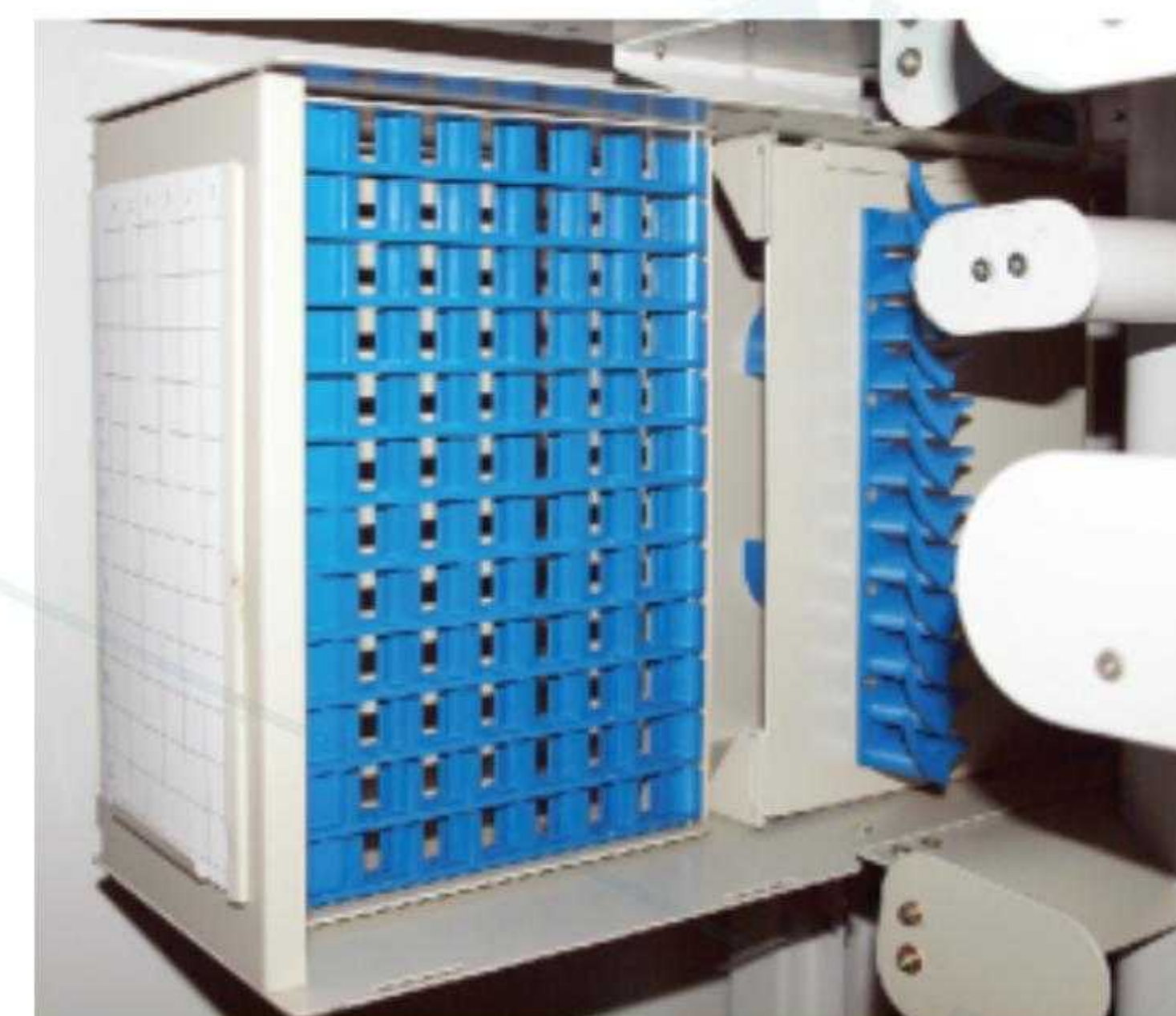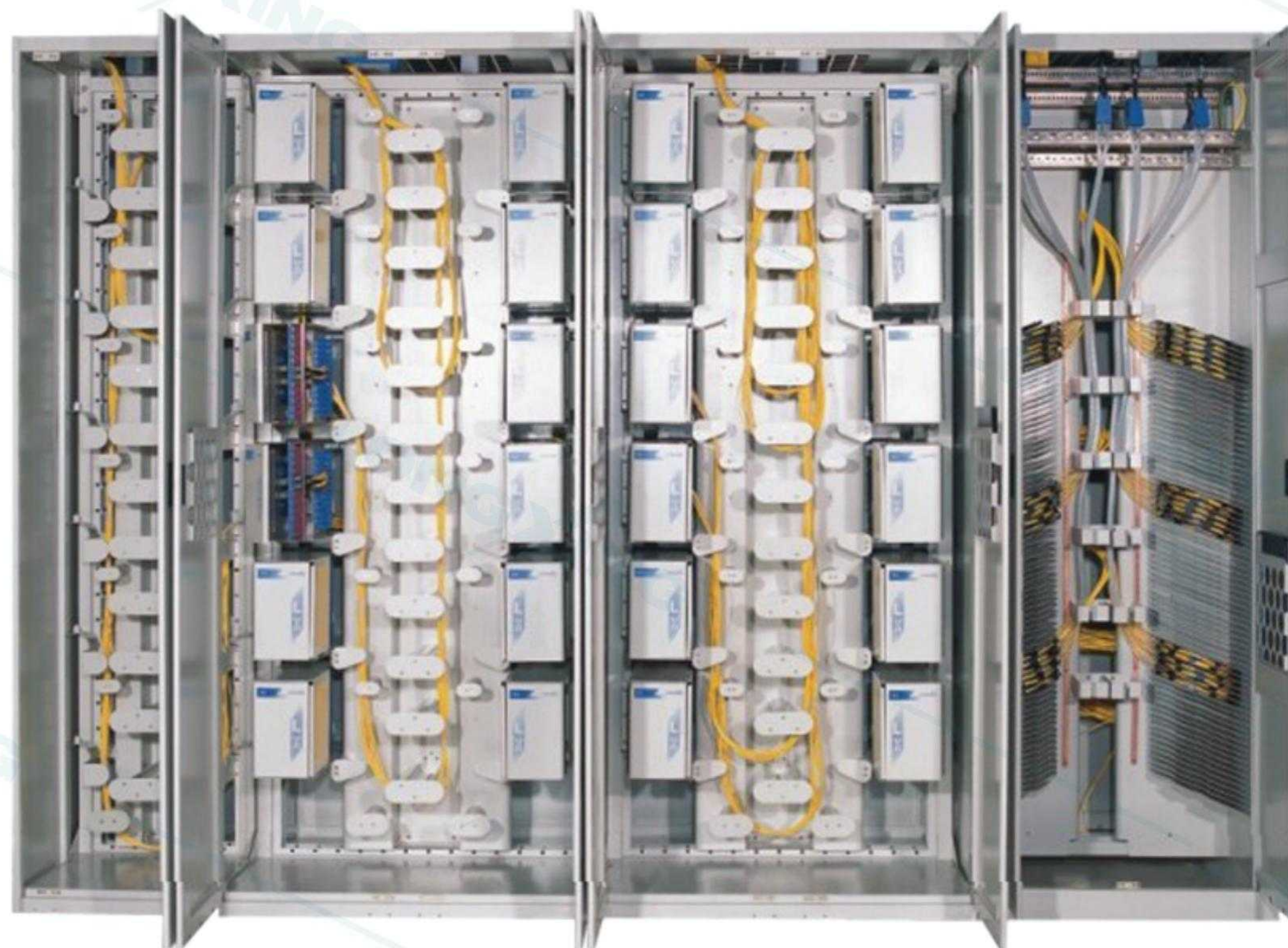
GPX82-6B

Features

● The combination consists of basic frame, expansion frame, integrated splice frame and fiber storage frame (custom combinations available).

● Hierarchical structure with the advantages of good performance of installation, maintenance and operational efficiency.

● This frame is suitable for large-capacity fiber optic into the client side management and business development needs.

● Modular design.

● Integrated splice frame comprises cable inlet systems (which provide strong fixing units for outdoor cables), large amount of splice tray slots (both left and right rides).

● Optical distribution frame is comprised of optical distribution module, fiber splice tray module, rear horizontal fiber support groove.

● Fiber storage frame contains fiber winding shaft and rear horizontal fiber support groove.

● The rear horizontal fiber support grooves of optical distribution frame and fiber storage frame connect directly. The rear horizontal fiber support grooves connect between distribution frame and splice frame through the eyelet on the right of splice frame.

● The distribution modules have the options of 72 cores and 96 core modules.

● At the back of each optical distribution frame, opposite to the two fiber distribution modules at left and right of frame front, a fiber support channel is equipped to facilitate fiber jumping between units, as well as the direct jumping between frames without passing frame top. Common optical distribution frame does not have such advantage.

● According to customers' needs, fiber support channel is provided for both single-layered structure and double-layered structure.

● Enough space for fiber support channel, convenient for maintenances and operations.

● According to customers' needs, optic cable inlet device is provided for both single-layered structure and double-layered structure.

	Dimensions(H*W*D)mm	Description	Capacity
GPX82-6B	2200*480*700	Fiber Storage Frame	/
	2200*720*700	Integrated Splice Frame	12 Cores/Tray, 144 Trays/Frame
	2200*900*700	Basic Distribution Frame	72 Cores/Unit, 864 Cores (12 Units)/Frame
	2200*900*700	Expansion Distribution Frame	72 Cores/Unit, 864 Cores (12 Units)/Frame

GPX82-2

Features

- Fully-closed structure with the advantages of good performance of dust-proof, pleasing and neat appearance.
- Enough space for fiber distribution and storage space and very easy for installation and operations.
- Fully front operation, convenient for maintenances.
- Cable inlet system is installed on the top of the frame which has excellent performances for fixing the cables.
- Cables can be inlet either from the top or the bottom of the frame subject to different requirements.
- This frame is suitable for both common bundle cables and ribbon type cables.
- Reliable cable fixture cover and earth protection device provided.
- Integrated splice and distribution unit is adopted. Each unit holds up to 12 FC adapters and up to 24 SC/LC adapters. All units have specially designed slots and can be easily pulled out for operation at any time.
- Fiber separation hook of the splice and distribution module (the hook on the left) can be disassembled to fit for both wide and narrow structure frame.
- Up to 6 units make up a module.
- Work table is provided if one module contains 6 units. Longxing's Dual SC adapters could double the capacity of Splice and distribution units' capacities to max 24FO each.
- All adapters are installed 30 degrees inclining to the operation surface which is easier for connecting and also protect installers' eyes from the lights.
- No screw needed for installing adapters.
- Curvature radius of 40mm.

	Dimensions(H*W*D)mm	Modules	Max Capacity (FC/SC)	Max Capacity (LC)
GPX82-2	2000*840*300	7	504	1008
	2200*840*300	8	576	1152
	2600*840*300	10	720	1440

GPX82-4

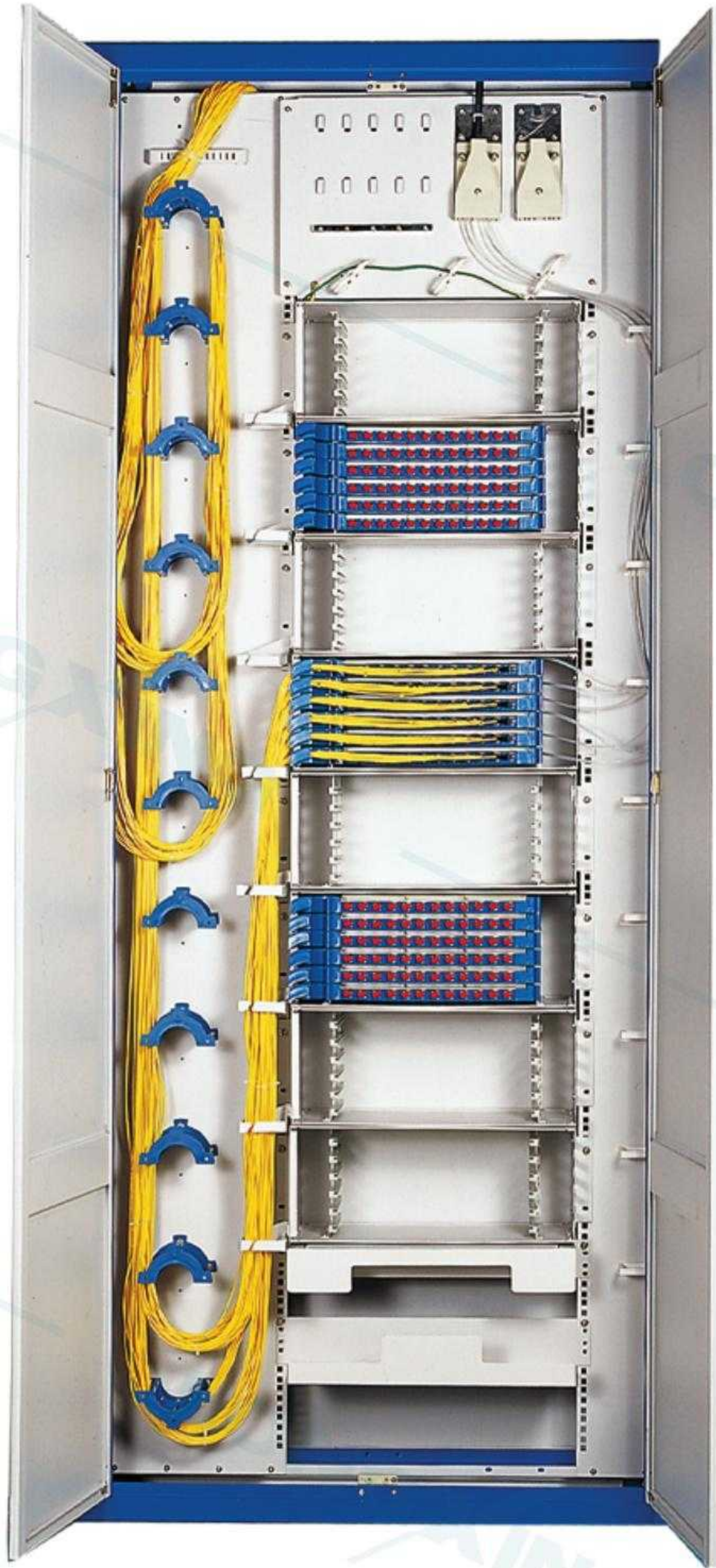### Features

● Fully-closed structure with the advantages of good performance of dust-proof, pleasing and neat appearance.
● Enough space for fiber distribution and storage space and very easy for installation and operations.
● Fully front operation, convenient for maintenances.
● Curvature radius of 40 mm.
● Cable inlet system is installed on the top of the frame which has excellent performances for fixing the cables.
● Cables can be inlet either from the top or the bottom of the frame subject to different requirements.
● This frame is suitable for both common bundle cables and ribbon type cables.
● Reliable cable fixture cover and earth protection device provided.
● Integrated splice and distribution unit is adopted. Each unit holds up to 12 FC adapters and up to 24 SC/LC adapters. All units have specially designed slots and can be easily pulled out for operation at any time.
● Fiber separation hook of the splice and distribution module (the hook on the left) can be disassembled to fit for both wide and narrow structure frame.
● Every 6 units make up a module. Longxing's dual SC adapters could double the capacity of Splice and distribution units' capacities to max 24FO each.
● All adapters are installed 30 degrees inclining to the operation surface which is easier for connecting and also protect installers' eyes from the lights.
● No screw needed for installing adapters.

	Dimensions(H*W*D)mm	Modules	Max Capacity (FC)	Max Capacity (LC/SC)
GPX82-4	2000*840*300	7	504	1008
	2200*840*300	8	576	1152
	2600*840*300	10	720	1440

GPX82-1-1

Features

- This frame is made of top quality steel and treated with galvanizing, oxidation and electrostatic plastic spraying.
- Fully-closed structure with the advantages of good performance of dust-proof, pleasing and neat appearance.
- Modular design: modular patch panel, fiber storing module and splice module are provided.
- Big capacity: 72cores/unit, 576cores (8 units)/frame.
- Optical cable can be entered/ exited from the front so as to make operation and maintenance more convenient.
- Incoming optical cable fixing units are provided.
- Two types of frames
  Fully front operation
  Both front side and back side operation.
- Accommodates SC, FC and LC/duplex adapters.
- No screws need for installing any type adapters (using 6-position adapter slots).
- Fiber guides are equipped to facilitate rewinding patch cords.
- Reliable earth protection device provided.

	Dimensions(H*W*D)mm	Dimensions (H*W*D)mm	Capacity (cores)
GPX82-1-1	Fully front operation	2000*840*300	288
		2200*840*300	432
		2600*840*300	576
	Both front side and back side operation	2000*600*300	144
		2200*600*300	216
		2600*600*300	288
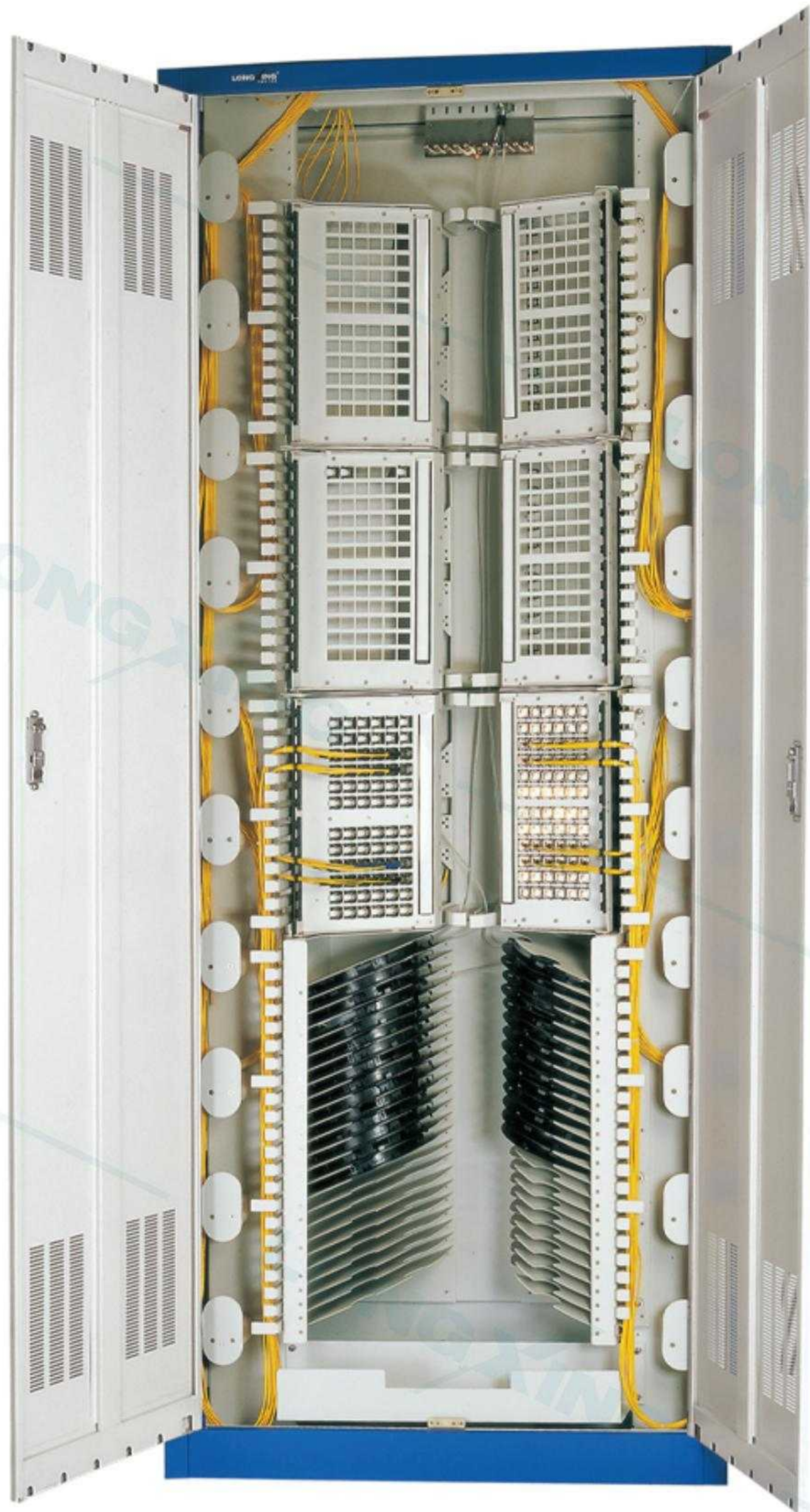
GPX82-1-2

Features

- This frame is made of top quality steel and treated with galvanizing, oxidation and electrostatic plastic spraying. The frame has solid structure and pleasing appearance.
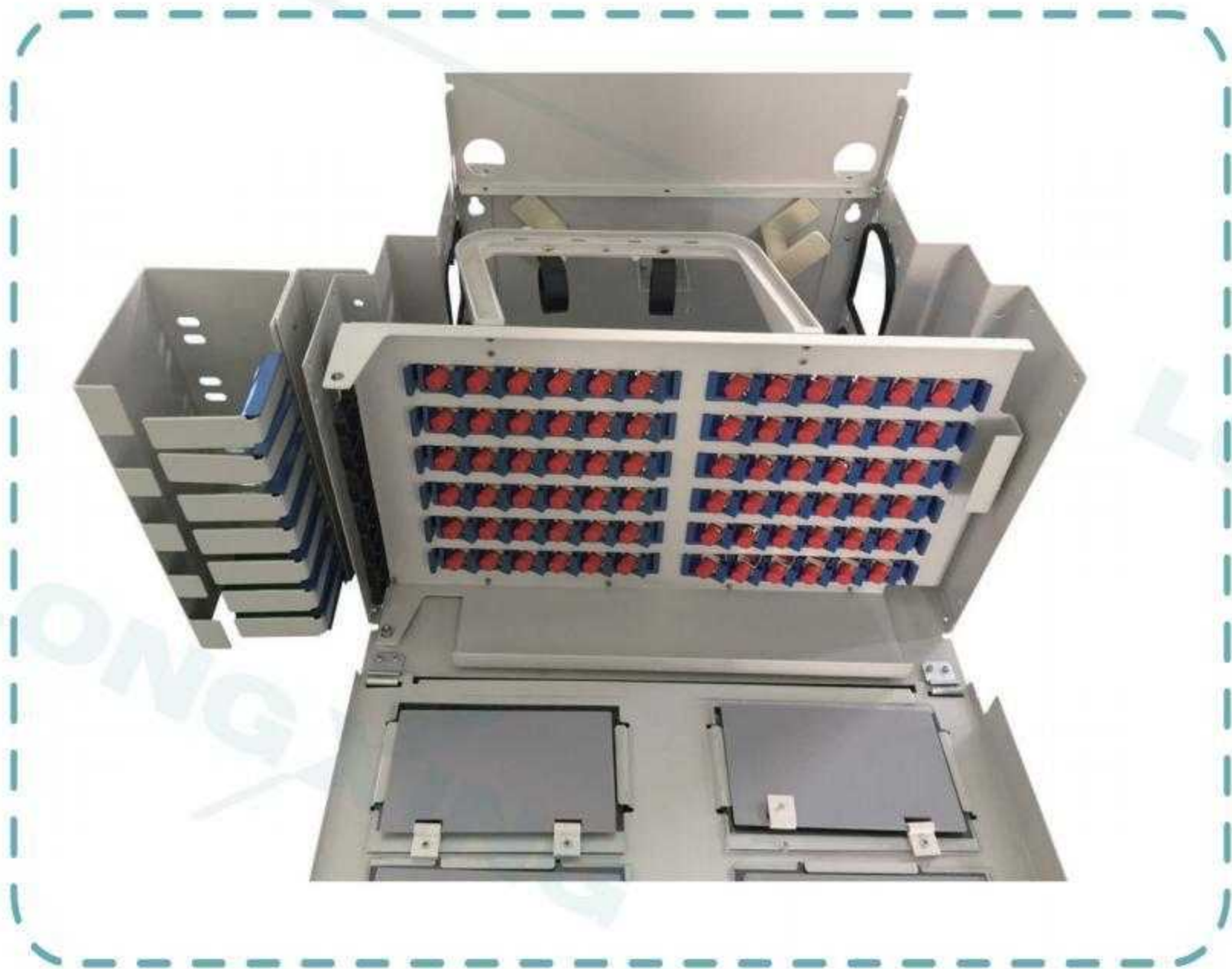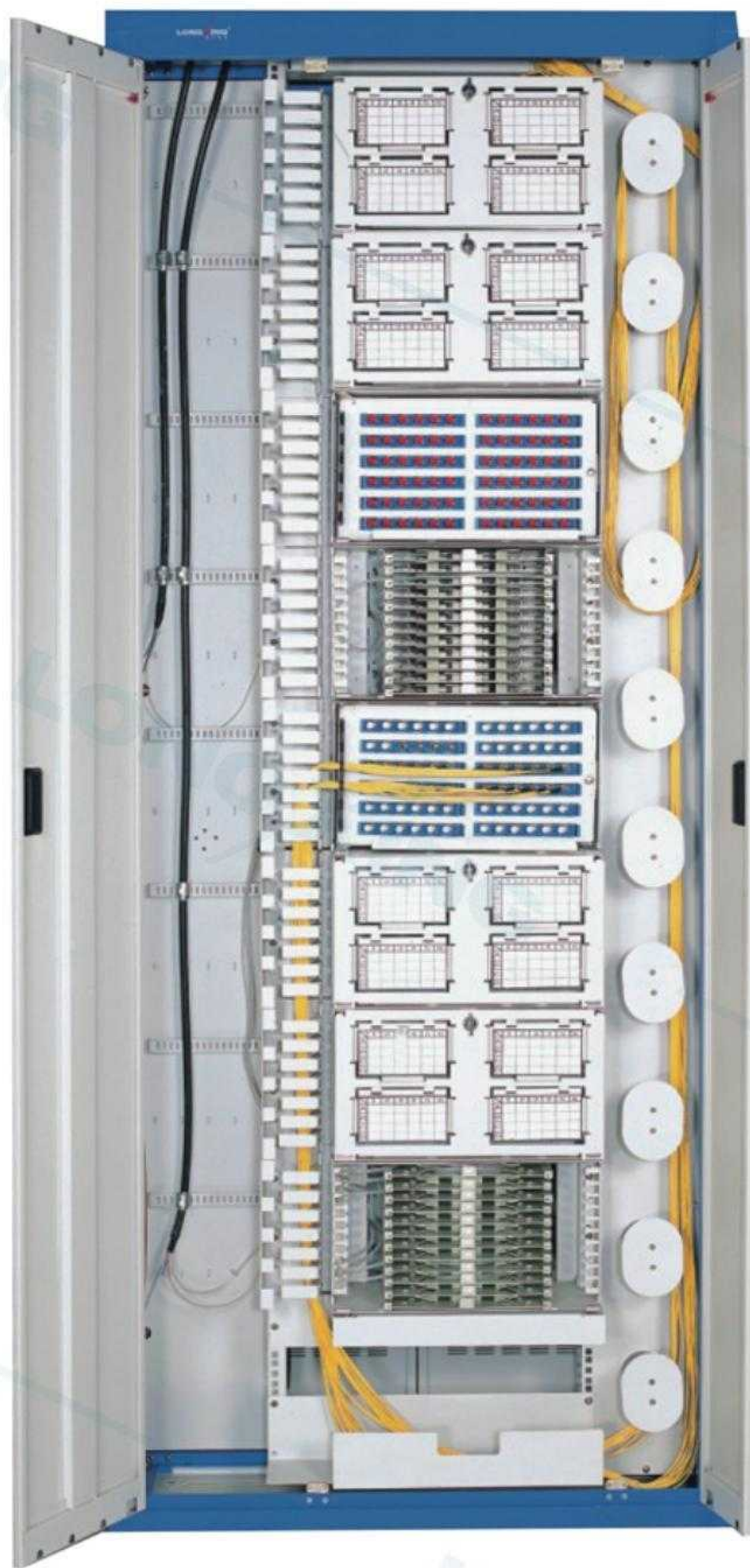- Fully-closed structure with the advantages of good performance of dust-proof, pleasing and neat appearance.
- Enough space for fiber distribution and storage space and very easy for installation and operations.
- Fully front operation, convenient for maintenances.
- Splice and distribution are separated and spread uniformly on the top and bottom sides of the frame. Compact structure and distinct layer for convenient management.
- Frisbee style (UFO style) splice tray is adopted; up to 48 trays can be hold in one frame.
- Curvature radius of 40mm.
- This frame is suitable for both common bundle cables and ribbon type cables.
- Reliable cable fixture cover and earth protection device provided.

|	Dimensions(H*W*D)mm	Capacity (SC)	Capacity (LC)
GPX82-1-2	2000*600*300	2	144
	2200*600*300	3	216
	2600*600*300	4	288
	2000*900*300	4	288
	2200*900*300	6	432
	2600*900*300	8	576

GPX09R

Features

● This frame is made of top quality steel and treated with galvanizing, oxidation and electrostatic plastic spraying.

● The frame has solid structure and pleasing appearance.

● Fully-closed structure with the advantages of good performance of dust-proof, pleasing and neat appearance.

● Cable fixing unit is installed on the top of the frame which has excellent performances for fixing the cables.

● Fully front operation, convenient for maintenances.

● Modular design of 144F splicing units is adopted. Each unit holds up to 12 pcs of 12F splice trays.

	Dimensions(H*W*D)mm	Capacity(Core / Unit)	Max Unit	Max Capacity
GPX09R	2000*840*300	144	10	1440
	2200*840*300		12	1728
	2600*840*300		16	2304
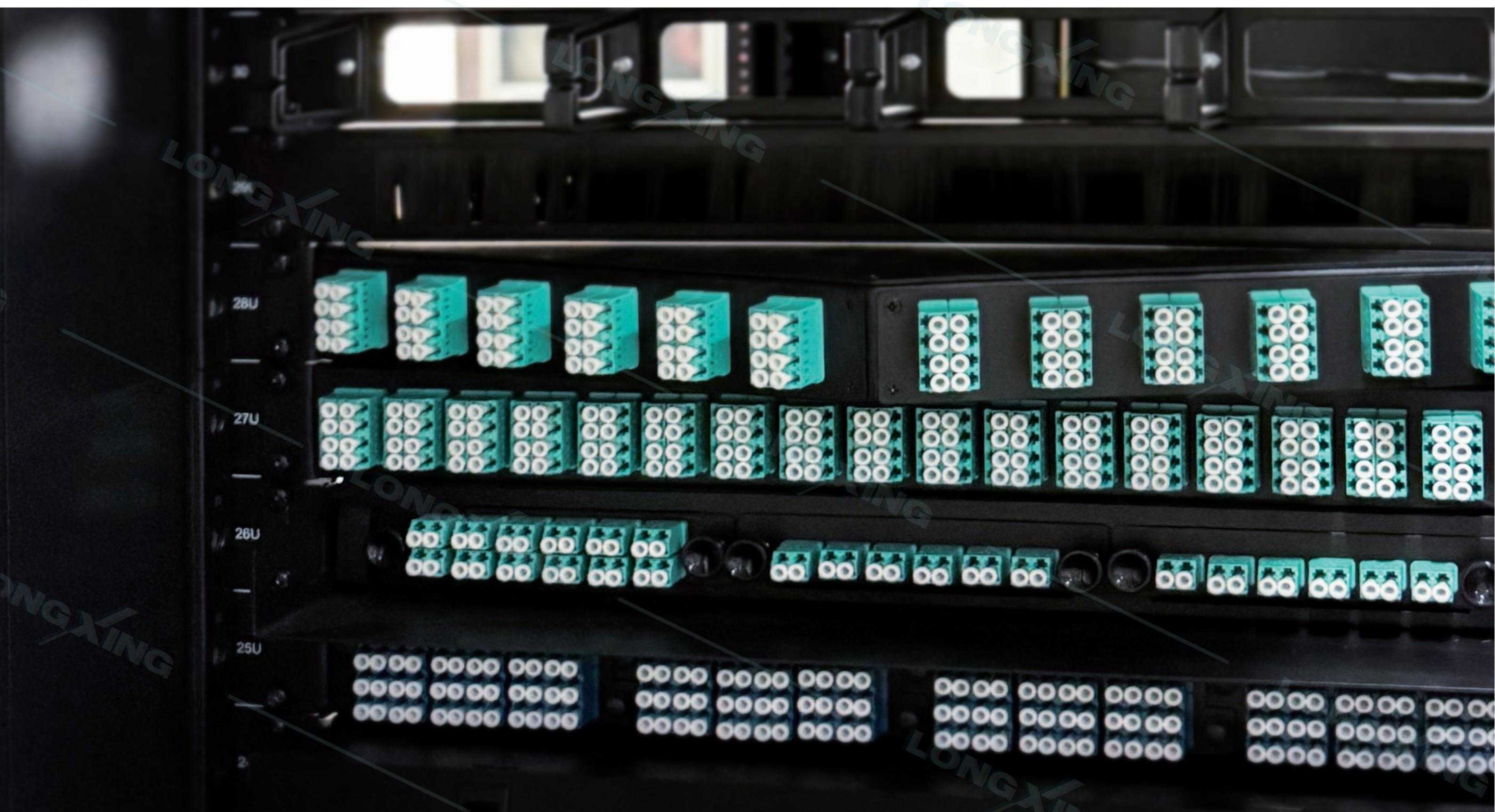
Patch Panels

Longxing fiber optics patch panels are used to organize and manage fiber optic cables in a telecommunications network. They provide centrialized points for termination, splice, storage and distribution of optical fibers. They typically consist of a metal frame with several adapter ports, where the fiber optic cables are terminated and connected. The ports are usually numbered or color-coded for easy identification and labeling.

18 ◢ Patch Panel

ODU-L28

Features

- Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
- For standard 19" racks use (other rack width options available on request).
- Rack mount brackets work with most network cabinets.
- Sliding type for easy installation.
- Removable front door with designation labels.
- Protected patch panel offers secure environment for adapters, patch cords and pigtails.
- Dimension and mounting brackets are customized to fit inside existing passive racks dimension supplied by Ericsson and Huawei
- Both mini-type and cassette type splitters are upon request.
- Cable guides and managements are provided for easy and neat cable routing.

	Height	Depth (mm)	Width	Quantity of Splitters	Splitter Type
ODU-L28	1U	250	19"/21"/23"	8	1:2 mini-type splitter with LC/APC connectors
	1U	250	19"/21"/23"	8	1:4 mini-type splitter with LC/APC connectors
	1U	250	19"/21"/23"	2	2:16 mini-type splitter with LC/APC connectors
	1U	250	19"/21"/23"	1	2:32 cassette splitter with LC/APC connectors
	2U	290	19"/21"/23"	1	2:64 cassette splitter with LC/APC connectors

ODU-L29

Features

- Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
- Easy installations: 19", 21" and 23" rack mounting.
- Easy operations: Drawer-type.
- No screw required.
- Separate board designed for smooth sliding without rail and pulley.
- Top cover is removable.
- Protected patch panel offers secure environment for adapters, patch cords and pigtails.
- Height: 1U, depends on capacity and adapter type chosen.
- Adoptable adapter types: SC, LC.
- Adapter Panel adopted for easy operation. Cable fixing units provided.
- Optional parts: Splice trays, fiber management guides.

	Dimension (mm)			Capacity	
	Height	Depth	Width	SC	LC Duplex
ODU-L29	1U	178	19"/21"/23"	24	48

ODU-L31

Features

- Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
- For standard 19", 21" and 23" racks use (other rack width options available on request).
- Fully stable patch panel, no risk of movement.
- Easy operations: Rotate style.
- Cable can be entered from rear; patch cords go out from left front.
- Total front access for users.
- LongXing adapter panels are used for quick and easy adapter installations.
- Protected patch panel offers secure environment for adapters, patch cords and pigtails.
- High Density, see the capacity chart below.
- Adoptable adapter types: FC, SC simplex adapters and LC duplex adapters.

	Height	Depth (mm)	Width	Capacity (Cores)		
				FC	SC	LC
ODU-L31	1U	240	19''/21''/23''	24	24	48
	2U	240	19''/21''/23''	48	48	96
	3U	240	19''/21''/23''	72	72	144

ODU-L40

Features

- Top quality steel with electrostatic painted ensures strong body and pleasing appearance.
- Easy installations: 19" rack mounting.
- Easy operations: Drawer style with sliding rails.
- Cable inlet system provided in the rear side.
- Fiber storage availability in the back to ensure smooth sliding mechanism.
- Many holes provided for the position flexibility of splice tray and management spools.
- Two big cutouts reserved beside adapters for easier installation.
- Removable front adapter plates with designation labels.

	Height	Depth (mm)	Width	Capacity	
				FC/SC	LC Duplex
ODU-L40	1U	320	19''/21''/23''	24	48
	2U	320	19''/21''/23''	48	96

ODU-L41

Features

● Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
● Easy installation: 19", 21"(ETSI), rack mounting.
● For standard 19", 21" and 23" racks use (other rack width options available on request).
● Easy operations: Rotate style.
● 90 degrees rotated front door with designation labels (options available on request).
● One big cutouts reserved beside adapters for easier installation.
● Cable can be entered from side; patch cords go out from right front through the cable holder.
● Metal plate can be rotate up to 180 degree for ease of installation and maintenance.
● Total front access for users.
● LongXing adapter panels are used for quick and easy adapter installations.
● Protected patch panel offers secure environment for adapters, patch cords and pigtails.
● Adoptable adapter types: FC, SC, ST simplex adapters and LC duplex adapters.
● Transparent top cover providedfor each trays.

	Height	Depth (mm)	Width	Capacity
ODU-L41	3U	266.5	19''/21''/23''	144 for SC or LC

ODU-L46

Features

● Indoor use.
● Durable, polycarbonate-tinted front door for viewing pigtails.
● Ideal for pigtail splicing.
● Translucent top covers (1U, 2U).
● Visibility and ease of access for installation, testing, and troubleshooting.
● Internal and external strain-relief options.
● Cassette type make it flexible for installation and moves, adds, and changes.
● Adaptable to use as a modular splice housing.
● Splices are stored and protected in same footprint.
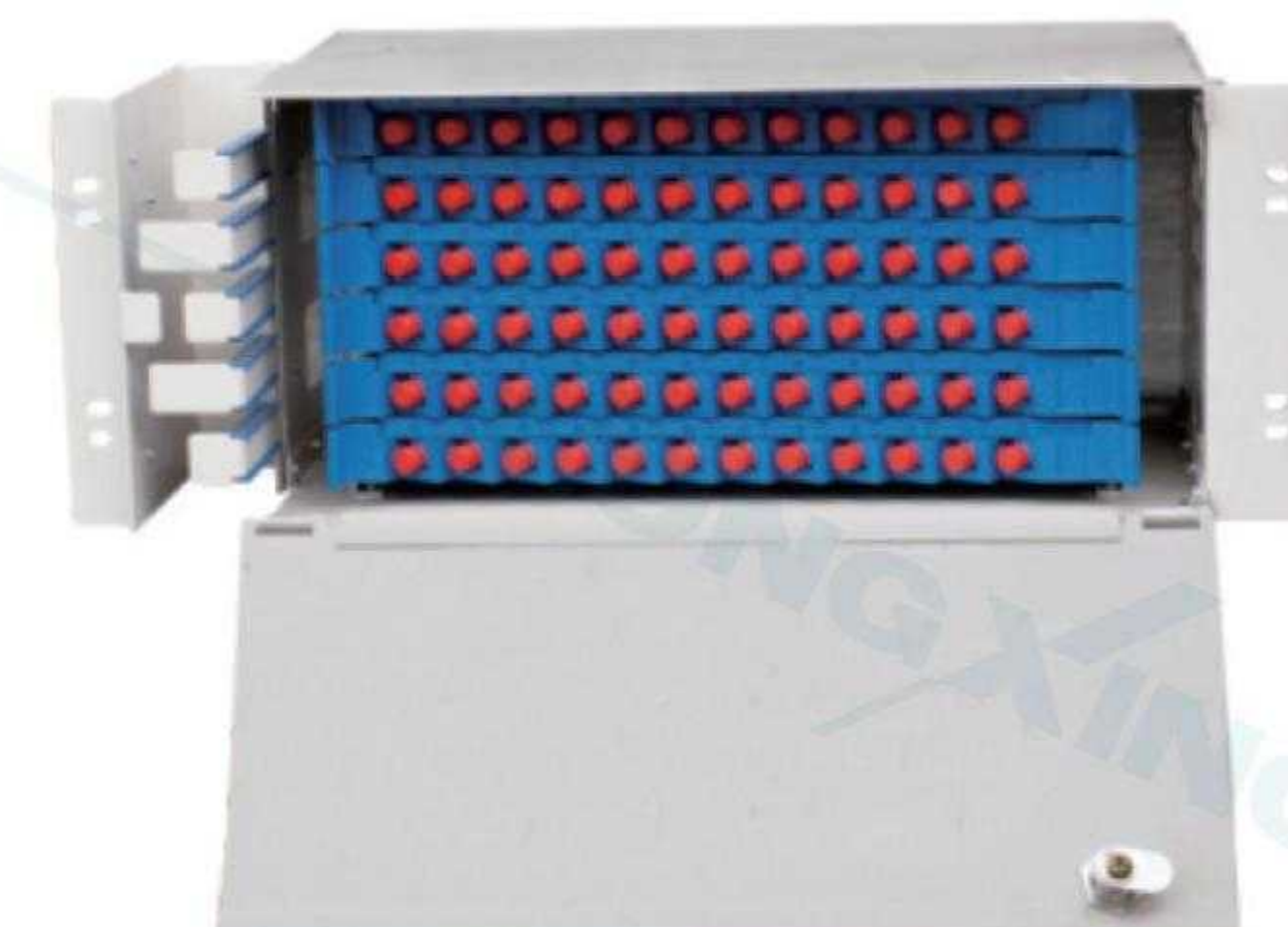● Front access slidable.

	Height	Depth (mm)	Width (mm)	Capacity (SC)	Cassette Quantity
ODU-L46	1U	437	486	24	2
	2U	437	486	48	4

ODU-L1

Features

● Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
● Easy installation:19", 21" and 23" rack mounting.
● For standard 19", 21" and 23" racks use (other rack width options available on request).
● Front rack mount brackets work with most network cabinets.
● Easy operations: Drawer-type.
● Removable front door with designation labels.
● Vertical cable guides on exit side allow for managed routing and protection of the fiber exiting the panel.
● Multi-functions – Works with all LongXing Series A modules1 (not just for splicing & terminating, also with options for splitters or fiber storage).
● Protected patch panel offers secure environment for adapters, patch cords and pigtails.
● Adoptable adapter types: FC, SC, ST simplex adapters and LC duplex adapters .

	Dimension (mm)			Capacity				
				Module A1			Module A3	
	Height	Depth	Width	Capacity		Module Quantity	Capacity	Modile Quantity
				FC/SC/ST	LC Duplex		FC/SC	
ODU-L1	2U	250	19''/21''/23''	24	48	2	48	2
	3U	250	19''/21''/23''	48	96	4	96	4
	4U	250	19''/21''/23''	72	144	6	144	6
	5U	250	19''/21''/23''	96	192	8	192	8

ODU-L2

Features

● Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
● Easy installation:19", 21" and 23" rack mounting.
● Front rack mount brackets work with most network cabinets.
● Removable front door with designation labels.
● Integrated splicing, distribution with fiber storage.
● Vertical cable guides on exit side allow for managed routing and protection of the fiber exiting the panel.
● Multi-functions - Works with all LongXing Series A modules1 (not just for splicing & terminating, also with options for splitters or fiber storage).
● Protected patch panel offers secure environment for adapters, patch cords and pigtails.
● Adoptable adapter types: FC, SC, ST simplex adapters and LC duplex adapters .

	Dimension (mm)			Capacity				
				Module A1			Module A3	
	Height	Depth	Width	Capacity		Module Quantity	Capacity	Modile Quantity
				FC/SC/ST	LC Duplex		FC/SC	
ODU-L2	4U	250	19''/21''/23''	12	24	1	24	1
				24	48	2	48	2
	5U	250	19''/21''/23''	36	72	3	72	3
				48	96	4	96	4

ODU-L3

Features

- Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
- Easy installations:19", 21" and 23" rack mounting.
- Front rack mount brackets work most network cabinets.
- Easy to maintain and extend.
- Removable front door with designation labels.
- Function of fiber storage.
- Fully stable patch panel, no risk of movement.
- Vertical cable guides on exit side allow for managed routing and protection of the fiber exiting the panel.

	Dimension (mm)			Capacity
	Height	Depth	Width	
ODU-L3	4U	250	19"/21"/23"	144

ODU-L4

Features

- Removable front door with designation labels.
- Top quality steel with cover by electrostatic painted ensures the strong body and pleasing appearance.
- Easy operations: Drawer-type.
- Easy installations: 19", 21" and 23" rack mounting.
- For standard 19", 21" and 23" racks use (other rack width options available on request).
- Fully stable patch panel, no risk of movement.
- Multi-functions - Works with all LongXing Series A modules (not just for splicing & terminating, also with options for splitters or fiber storage).
- Protected patch panel offers secure environment for adapters, patch cords and pigtails.
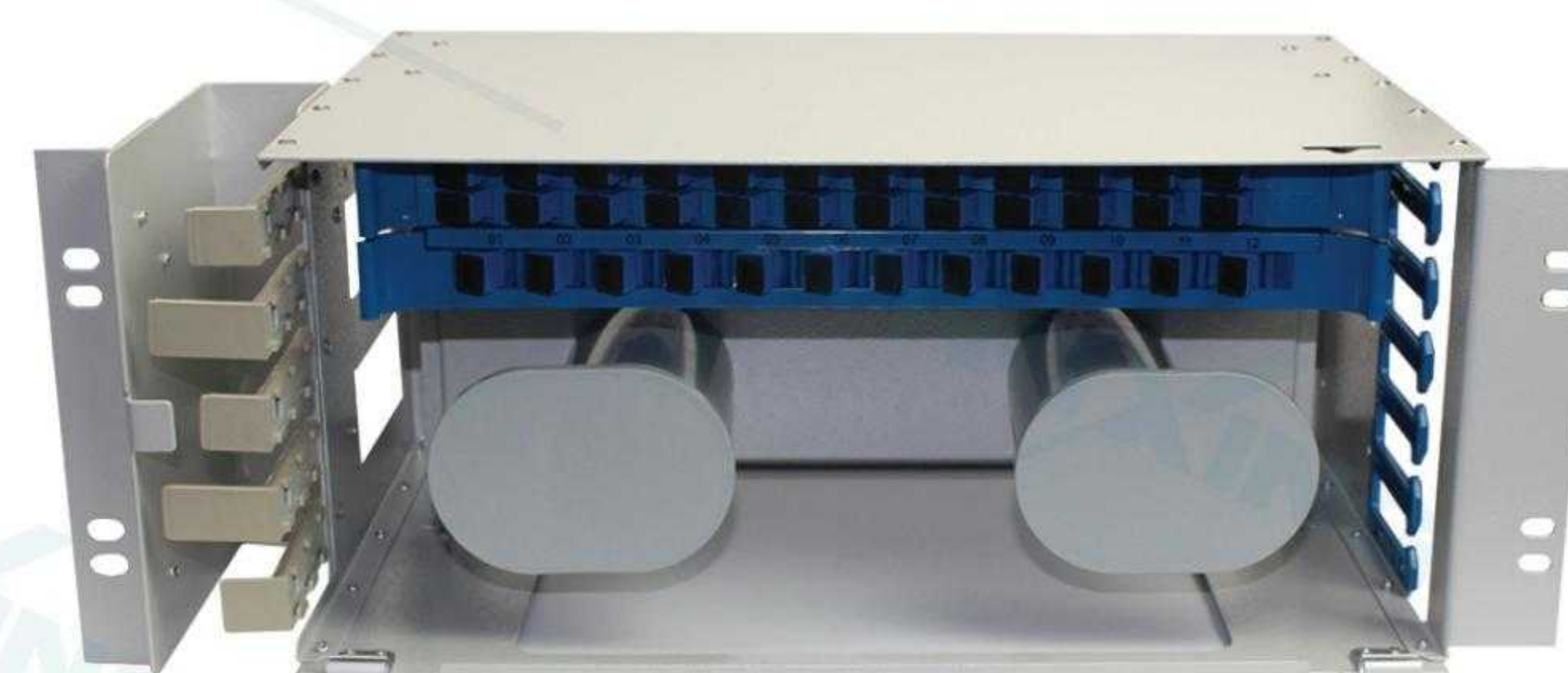- Adoptable adapter types: FC, SC, ST simplex adapters and LC duplex adapters.

	Dimension (mm)			Capacity				
				Module A1			Module A3	
	Height	Depth	Width	Capacity		Module Quantity	Capacity	Modile Quantity
				FC/SC/ST	LC Duplex		FC/SC	
ODU-L4	1U	300	19"/21"/23"	12	24	1	24	1
	2U	300	19"/21"/23"	24	48	2	48	2
	3U	300	19"/21"/23"	36	72	3	72	3
				48	96	4	96	4
	4U	300	19"/21"/23"	60	120	5	120	5
				72	144	6	144	6

ODU-L5

Features

● Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
● For stand 19", 21" and 23" racks use (other rack width options available on request).
● Fully stable patch panel, no risk of movement.
● Easy operations: Rotate style.
● Cable can be entered on both left and right sides.
● Total front access for users.
● LongXing adapter panels are used for quick and easy adapter installations.
● Removable front door with designation labels.
● Protected patch panel offers secure environment for adapters, patch cords and pigtails.
● High Density, see the capacity chart below.
● Adoptable adapter types: FC, SC, ST simplex adapters and LC duplex adapters.

	Dimension (mm)			Capacity	
	Height	Depth	Width	FC/SC/ST	LC Duplex
ODU-L5	1U	300	19"/21"/23"	12	24
				24	48
	2U	300	19"/21"/23"	36	72
				48	96
	3U	300	19"/21"/23"	60	120
				72	144
	4U	300	19"/21"/23"	84	168
				96	192

ODU-L6

Features

● Minimum bend radius controlled.
● Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
● Fit for 19", 21" and 23" ODF rack.
● Protected patch panel offers secure environment for adapters, patch cords and pigtails.
● Fully stable patch panel, no risk of movement.
● Adoptable adapter types: FC, SC and LC duplex adapters.
● Adapter Panel adopted for easy operation.

	Dimension (mm)			Capacity	
	Height	Depth	Width	FC/SC/ST	LC Duplex
ODU-L6	1U	280	19"/21"/23"	24	48
	2U	280	19"/21"/23"	48	96

ODU-L7

Features

- Removable front-top cover for easier operations.
- Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
- Easy installations:19", 21" and 23" rack mounting.
- Easy operations: Drawer-type.
- Fully stable patch panel, no risk of movement.
- Protected patch panel offers secure environment for adapters, patch cords and pigtails.
- Height: 1U-2U, depends on capacity and adapter type chosen.
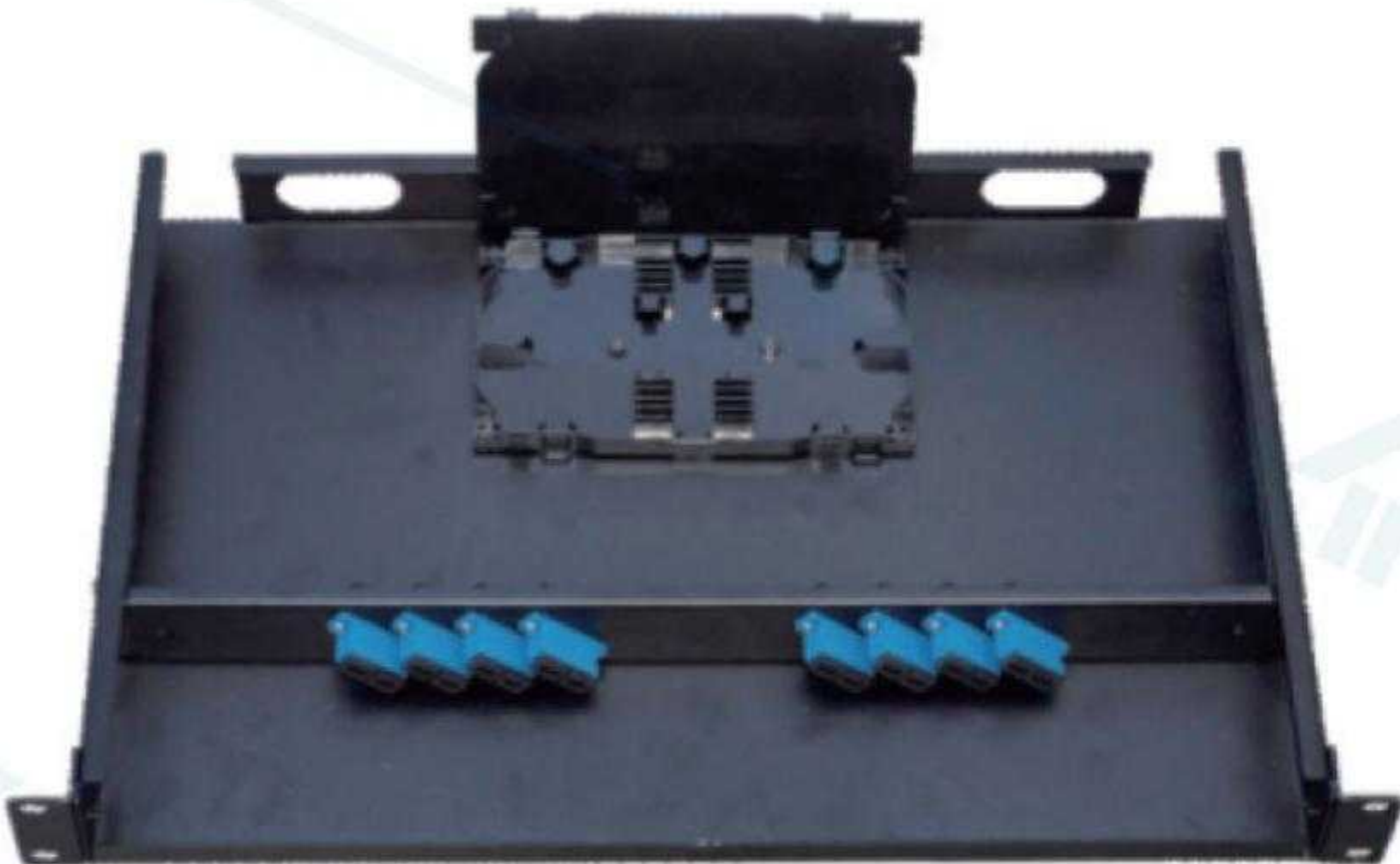
	Dimension (mm)			Capacity	
	Height	Depth	Width	FC/SC/ST	LC Duplex
ODU-L7	1U	280	19"/21"/23"	16	16
				24	24
	2U	280	19"/21"/23"	32	32
				48	48

ODU-L8

Features

- 2nd Generation: Open design of cable exits for easier access and maintenance.
- Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
- Easy installations: 19", 21" and 23" rack mounting.
- Easy operations: Drawer style.
- Cable inlet system provided on the rear side which has excellent performances for fixing outdoor cables.
- Fully stable patch panel, no risk of movement.
- Adoptable adapter types: FC, SC and LC.
- Options of splice trays & fiber management guides.
- Protected patch panel offers secure environment for adapters, patch cords and pigtails.
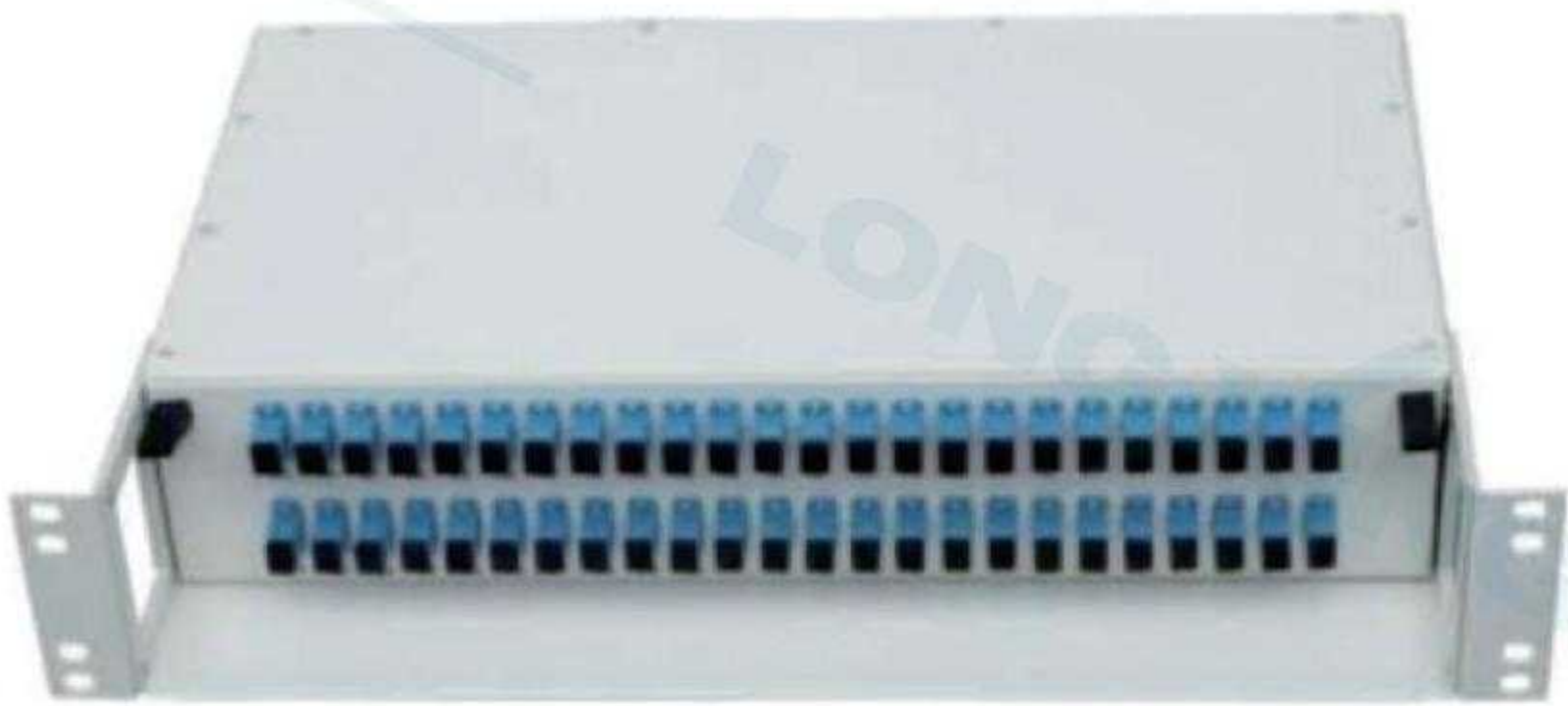
	Dimension (mm)			Capacity	
	Height	Depth	Width	FC/SC/ST	LC Duplex
ODU-L8	1U	300	19"/21"/23"	24	48
	2U	300	19"/21"/23"	48	96
	3U	300	19"/21"/23"	72	144
	4U	300	19"/21"/23"	96	192

ODU-L9

Features

● Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.

● Easy installations: 19", 21" and 23" rack mounting.

● Easy operations: Drawer-type.

● Fully stable patch panel, no risk of movement.

● Protected patch panel offers secure environment for for adapters, patch cords and pigtails.

● Height: 1U, depends on capacity and adapter type chosen.

● Adoptable adapter types: FC, SC, ST and LC.

● Adapter Panel adopted for easy operation. Cable fixing units provided.

● Optional parts: splice trays, fiber management guides.

	Dimension (mm)			Capacity	
	Height	Depth	Width	FC/SC/ST	LC Duplex
ODU-L9	1U	260	19''/21''/23''	48	60

ODU-L10

Features

● Removable trays for easy upgrade (each tray can hold SC simplex or LC duplex adapters)

● Splice & Patch Tray or Patch & Patch Tray Available.

● External cable can be entered through two lateral (left and right) access – total front access for users.

● All fber management accessories ensures a minimum curvature radius of 30mm.

● Multi-functions – Works with LongXing Series modules G (not just for splicing & terminating, also with options for splitters or fber storage).

● Front door can be selected push button or key lock; allow easy access to the splicing and connectorization trays.

● Splice and connectorization tray allows entry and organization of patch cords up to 0.9mm in diameter.

	Height	Depth (mm)	Width	Capacity	
				SC	LC Duplex
ODU-L10	1U	280	19''/21''/23''	24	48
	2U	280	19''/21''/23''	48	96
	3U	280	19''/21''/23''	72	144
	4U	280	19''/21''/23''	96	192

26 Patch Panel

ODU-L11

Features

- Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
- Easy installation:19", 21" and 23" rack mounting.
- For standard 19" racks use.
- Front rack mount brackets work with most network cabinets.
- Easy operations: using sliding rails to install the high density modules.
- Easy removable of modules.
- Multi-functions – Works with LongXing Series modules H1 (not just for splicing & terminating, also with options for splitters or fiber storage).
- Protected patch panel offers secure environment for adapters, patch cords and pigtails.
- Adoptable adapter types: SC, LC.

	Height	Depth (mm)	Width	Module H1 Capacity		Module Quantity
				SC	LC	
ODU-L11	1U (without cover)	280	19"/21"/23"	72	108	3
	2U	280	19"/21"/23"	144	216	6
	3U	280	19"/21"/23"	216	324	9
	4U	280	19"/21"/23"	288	432	12

ODU-L16

Features

- Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
- Easy installation: 19", 21" and 23" rack mounting.
- For standard 19", 21" and 23" racks use (other rack width options available on request).
- Front rack mount brackets work with most network cabinets.
- Easy operations: Drawer-type.
- Removable front door with designation labels.
- Vertical cable guides on exit side allow for managed routing and protection of the fiber exiting the panel.
- Multi-functions – Works with all LongXing Series A modules (not just for splicing & terminating, also with options for splitters or fiber storage).
- Protected patch panel offers secure environment for adapters, patch cords and pigtails.
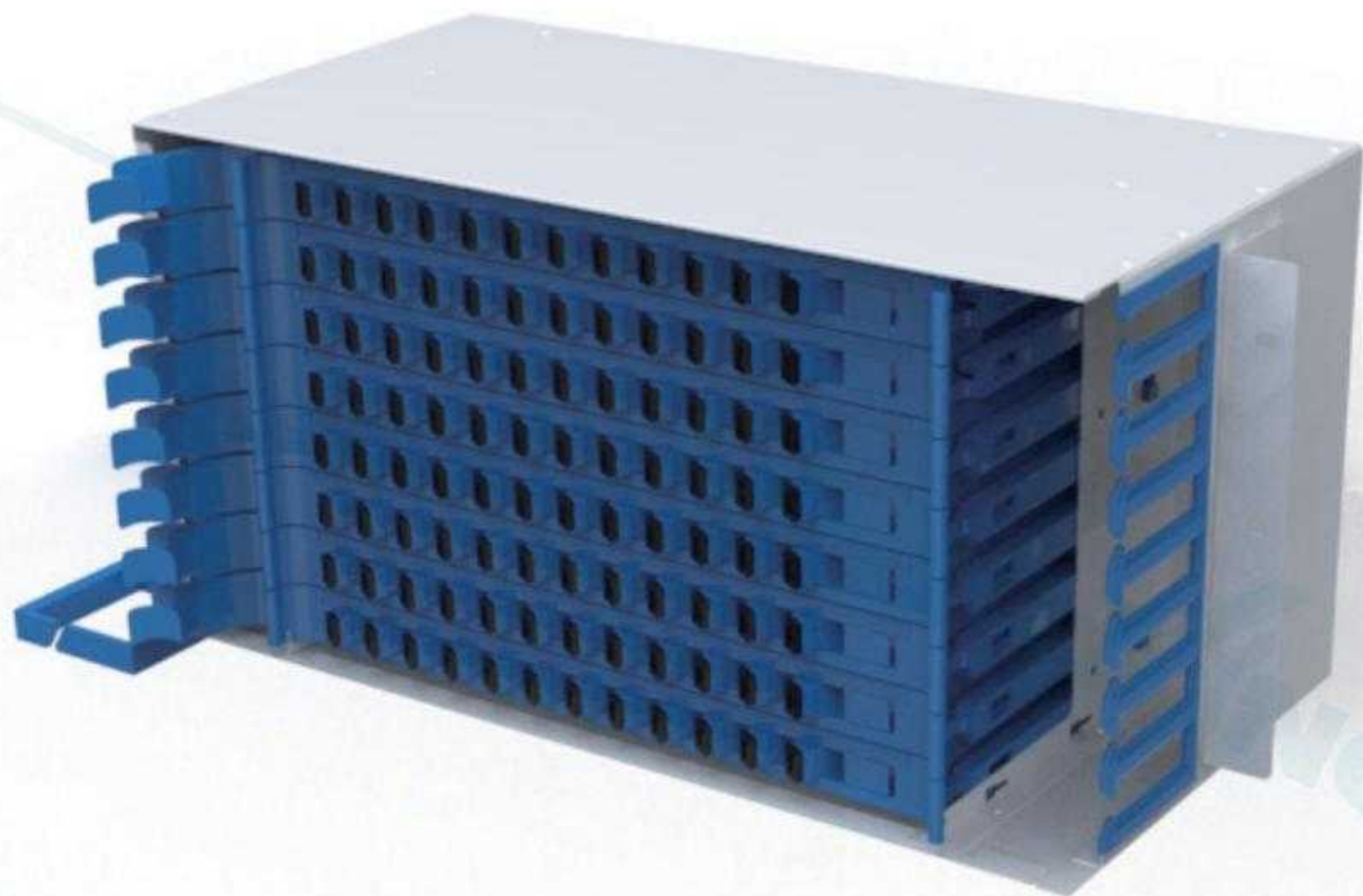- Adoptable adapter types: FC, SC, ST simplex adapters and LC duplex adapters.

	Dimension (mm)			Capacity				
				Module A1			Module A3	
	Height	Depth	Width	Capacity		Module Quantity	Capacity	Module Quantity
				FC/SC/ST	LC Duplex		FC/SC	
ODU-L16	2U	216	19"/21"/23"	24	48	2	48	2
	3U	216	19"/21"/23"	48	96	4	96	4
	4U	216	19"/21"/23"	72	144	6	144	6
	6U	216	19"/21"/23"	96	192	8	192	8

LONGXING

ODU-L19

Features

● UP to 144F LC Ports.
● With 6pcs of MTP/ MPO cassettes.
● Flexibility to Mix Adapter Plates with Cassettes in Patch Panel.
● Available in SM, OM1, OM2, OM3 and OM4 fiber grades.
● Flat Front Panel for Optimal Cable Routing.
● Removable Top for Easier Fiber Cable Management.
● Easily Accessible MPO/MTP Ports for Connection to Trunk Cable.
● Compliant IEC-61754-7, EIA/TIA-604-5 & RoHS.
● Factory terminated and tested.
● MPO/MTP components feature superior optical and mechanical properties.

	Dimensions (W*D*H mm)	Quantity of Cassette	Max Capacity
ODU-L19	390*250*159	6	144

ODU-L20

Features

● Mounting:
  19-inch racks or cabinets
  Other mounting kits available
● Fiber Chassis Data:
  Fiber capacity: 72 FC/SC, or 144 LC
  Termination
  Pigtail storage
● Hinged on left front side; allows full access to rear of front plate and interior of panel.
● 6 position adapter holders sold separately.
● Constructed of high strength aluminum.
● Equipped with removable metal doors with Plexiglass windows.
● Designation labels included with each panel.
● Complete line of accessories including locks for security, cable clamp kits, bonding/grounding kits, ordered separately.

	Height	Depth (mm)	Width	Capacity	
				FC/SC	LC Duplex
ODU-L20	1U	257.6	19"/21"/23"	12	24
	2U	257.6	19"/21"/23"	24	48
	3U	257.6	19"/21"/23"	48	96
	5U	257.6	19"/21"/23"	72	144
	6U	257.6	19"/21"/23"	96	192

ODU-L21

Features

- Compact 3U patch panel, each U accommodates 2 fiber trays.
- Each tray with max. capacity of 24 fibers.
- Max capacity of the patch panel is 144 fibers for LC.
- Patch Panels are rear mounted for improved access.
- Fiber trays and connected patch cords can slide in and out independently as a pull-out unit.
- Easy side access ensures laser safety.
- Special splice module design, which allows splicing on one side and professional cable storage on the other side without cable congestion.
- Modules are tiltable up to 135 degree for ease of installation and maintenance.
- Special incoming cable fixing unit which ensures strong, easy and quick cable fixing for miniflex tubes-no need to use time consuming plastic cable ties.
- Integrated outgoing patch cords clamps and routing guides, which ensures min bend radius criteria of 35 mm and professional cable management.

	Height	Depth (mm)	Width	Maximum Port Capacity
ODU-L21	3U	258	19"/21"/23"	72 Ports (SC)/ 144 Ports (LC)

ODU-L23

Features

- Loaded with OSP-M1 PLC Splitter
  4 U Rack Mount to hold 4 pieces of 2*32 OSPM PLC Splitter
  Customized design available upon request.
- Compact Design.
- Mount to standard EIA 19" rack rails.
- Steel construction with Black Powder Coating.
- Ensure signal integrity, proper cable routing, bend radius control and cable protection.
- Provide higher patch field density in fewer rack units saving valuable space.
- Assures flexibility and ease of network deployment and moves, adds, and changes.
- Provides a complete system solution for connectivity.

	Height	Depth (mm)	Width	Capacity	Quantity of Splitters
ODU-L23	3U	150	19"/21"/23"	96	Qty. 8, 1*16
	3U	150	19"/21"/23"	96	Qty. 4, 2*32

ODU-L24

Features

- 1U (enables splitting up to 32 SC or 64 LC ports).
- Swing Out system with front cable management for patch cords.
- Manages small & large quantities of fiber with a high packing density.
- Compact Design.
- Mount to standard EIA 19" rack rails.
- Steel construction with Black Powder Coating.
- Ensure signal integrity, proper cable routing, bend radius control and cable protection.
- Provide higher patch field density in fewer rack units saving valuable space.
- Assures flexibility and ease of network deployment and moves, adds, and changes.
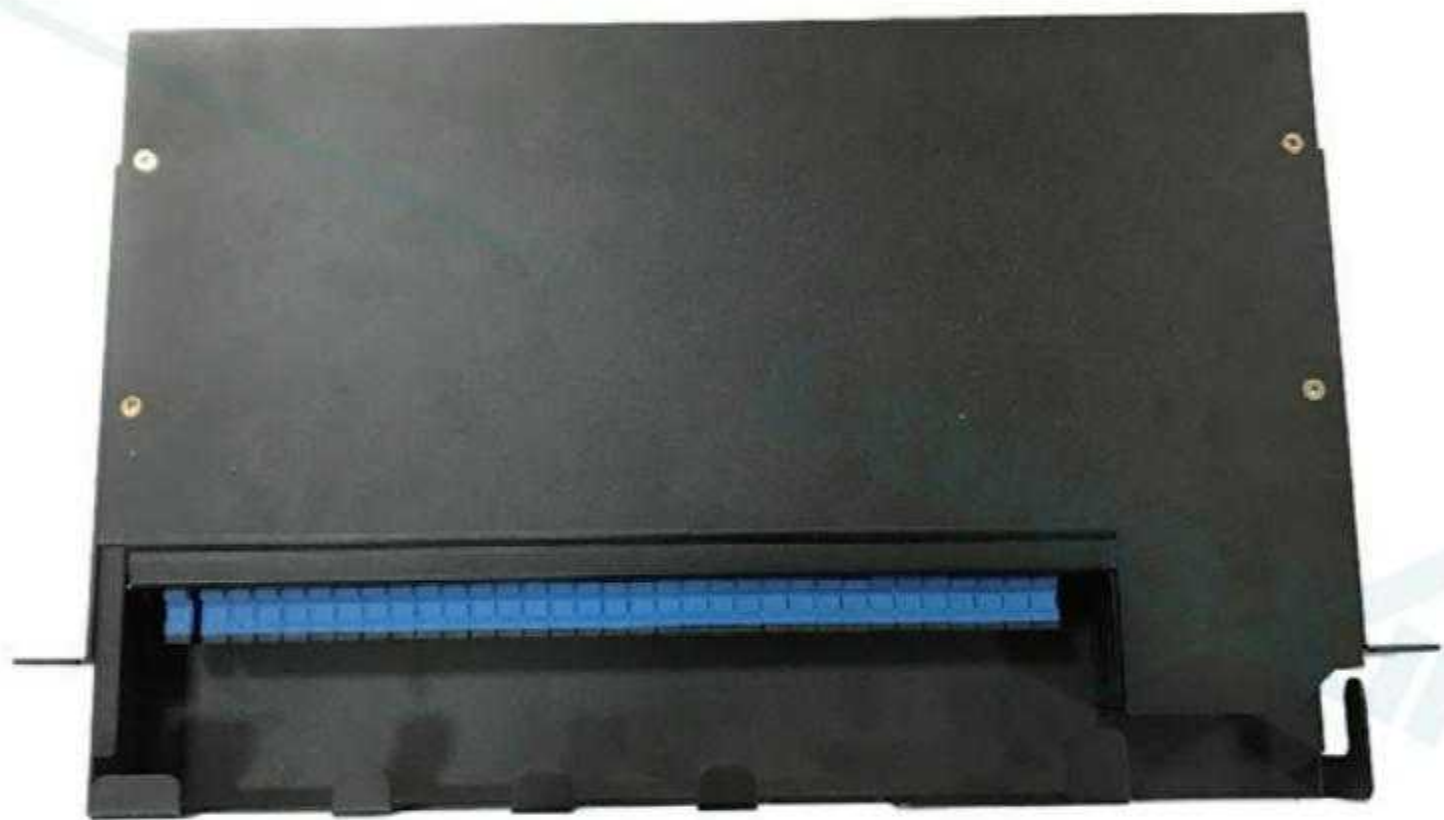- Provides a complete system solution for connectivity.
- 1:2, 1:4, 2:4, 1:8, 2:8, 1:16, 2:16, 1:32, 2:32, 1:64, 2:64 splitters of SC/LC connector types can be embedded inside.

	Height	Depth (mm)	Width	Capacity	Quantity of Splitter
ODU-L24	1U	280	19''/21''/23''	32 SC	Qty. 1, 1*32 / 2*32
	1U	280	19''/21''/23''	64 LC	Qty. 1, 1*64 / 2*64
	* Customized design available upon request.				

ODU-L25

Features

- Top quality steel with cover by nonflammable electrostatic painted ensures a strong body, resistance to corrosive influences and pleasing appearance.
- Front and rear door have push buttons; allow easy access to the splicing trays.
- Easy operations: Sliding mechanism both forward and backward.
- Easy installations: 19" rack mounting.
- For standard 19" racks use (other rack width options available on request).
- Adoptable adapter types: SC simplex adapters and LC duplex adapters.

	Model	Height	Depth (mm)	Width	Capacity	
					SC	LC Duplex
ODU-L25	L25-1 (Fiber to fiber)	4U	450	19''/21''/23''	144	288
	L25-2 (Drop cable to fiber)	4U	550	19''/21''/23''	144	288

30 Patch Panel

ODU-L27

Features
- Loaded with OSP-M1 PLC Splitter
  4U Rack Mount to hold 4 pieces of 2*32 OSPM PLC Splitter
  Customized design available upon request.
- Compact Design.
- Mount to standard EIA 19" rack rails.
- Steel construction with Black Powder Coating.
- Ensure signal integrity, proper cable routing, bend radius control and cable protection.
- Provide higher patch field density in fewer rack units saving valuable space.
- Assures flexibility and ease of network deployment and moves, adds and changes.
- Provides a complete system solution for connectivity.

	Height	Depth (mm)	Width	Capacity	Quantity of Splitters
ODU-L27	4U	220	19"/21"/23"	192 for LC	Qty. 8, 2*32
	4U	220	19"/21"/23"	96 for SC	Qty. 4, 2*32
	*Customized design available upon request.				

ODU-L32

Features
- Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
- For standard 19" racks use (other rack width options available on request).
- Fully stable patch panel, no risk of movement.
- Rotate operations.
- Cable can be entered from rear; patch cords go out from right front.
- Total front access for users.
- LongXing adapter panels are used for quick and easy adapter installations.
- Protected patch panel offers secure environment for adapters, patch cords and pigtails.
- High density, see the capacity chart below.
- Adoptable adapter types: FC, SC simplex adapters and LC duplex adapters.

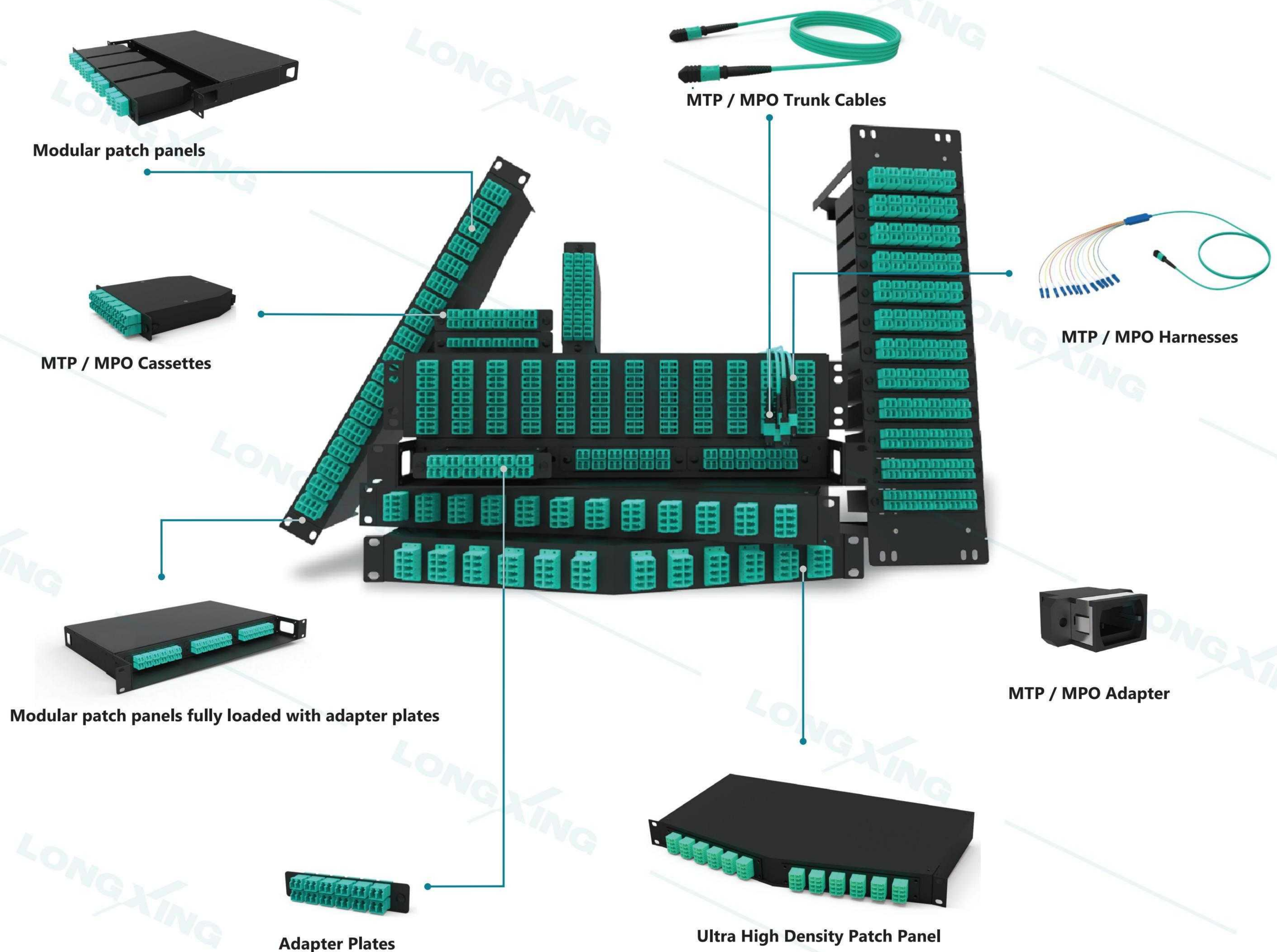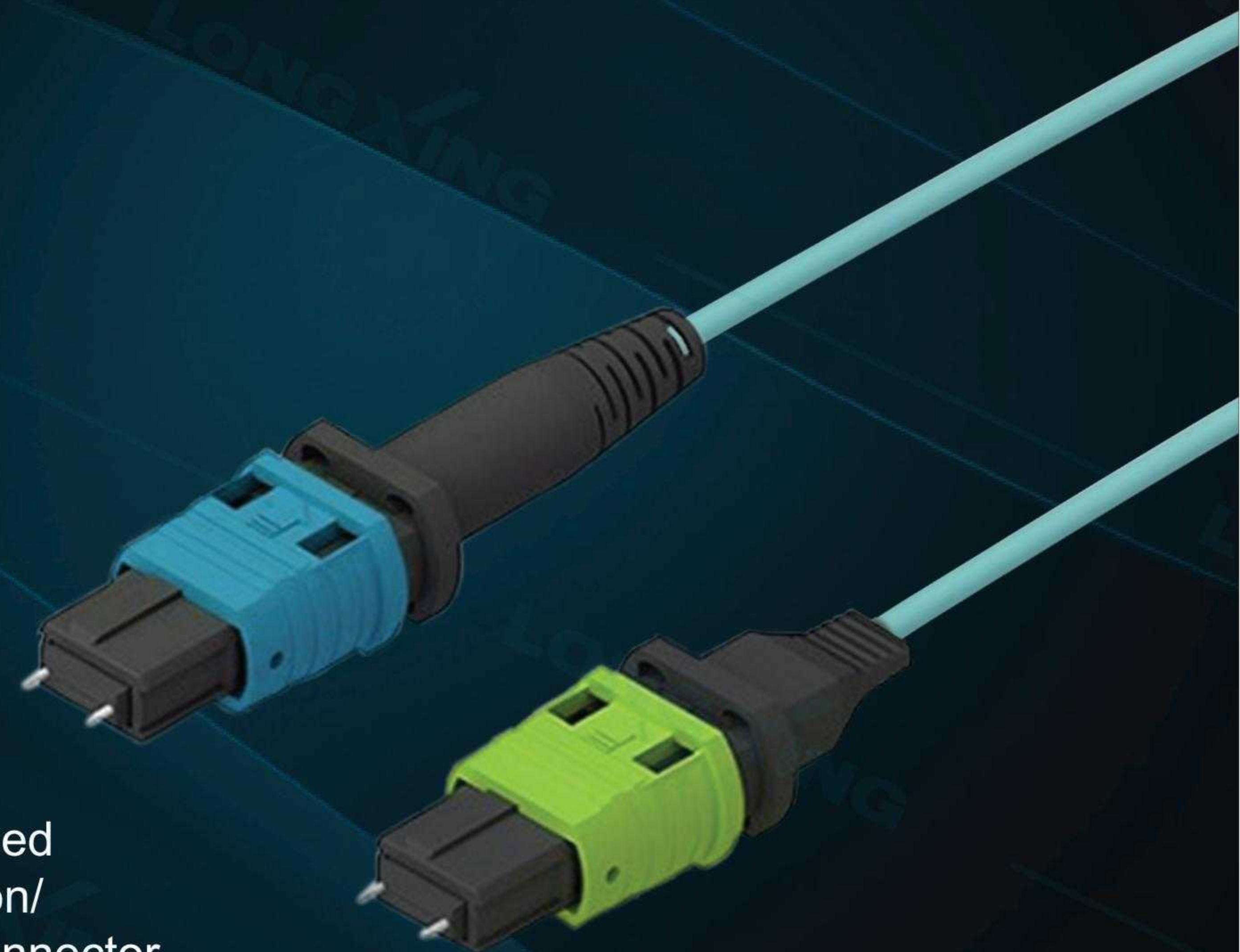|	Height	Depth (mm)	Width	Capacity (Cores)		
				FC	SC	LC
ODU-L32	1U	300	19"/21"/23"	12	12	24

ODU-L36

Features

- Top quality steel with electrostatic painted ensures the strong body and pleasing appearance.
- For standard 19" racks use (other rack width options available on request).
- Sliding typefor easy installation.
- Patch cords routing panel is optional (not included by default).
- Protected patch panel offers secure environment for adapters, patch cords and pigtails.
- 1:32 cassette-type splitters are available upon request.
- Cable tiesare provided for easy and neat cable routing.
- Clear number printings are provided.
- Wavelength: 1260 –1360 nm and 1450 –1650 nm.
- Return loss ≥55dB.
- Temperature Range: -10℃ to 70℃.
- Humidity Range: 5% to 100%.
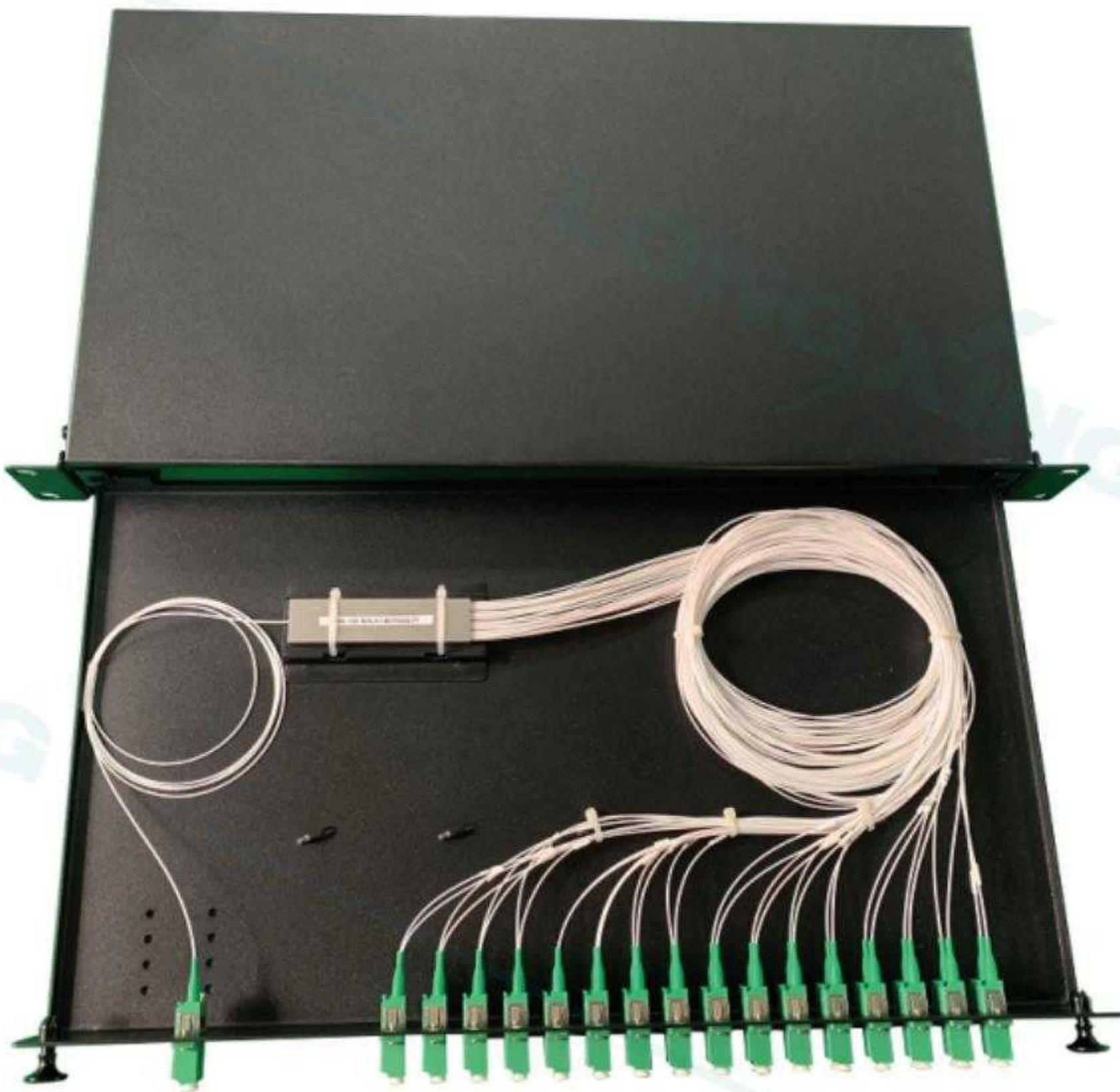
	Height	Depth (mm)	Width	Splitter Type
ODU-L36	1U	240	19"/21"/23"	1:16LC/SCmini splitter
				2:16LC/SCmini splitter
				1:32LC/SCmini splitter
				2:43LC/SCmini splitter

MPO Solutions

MTP/MPO is a type of fiber optic connector that is commonly used in high-density data center applications. It is a multi-fiber push-on/ pull-off (MPO) connector that can support up to 24 fibers in a connector. The connector also has high precision alignment pins that ensure accurate fiber alignment and low insertion loss. It offers a high-performance, high-density, and cost-effective solution for fiber optic connectivity in modern data center environments.

Modular patch panels

MTP / MPO Cassettes

MTP / MPO Trunk Cables

MTP / MPO Harnesses

MTP / MPO Adapter

Modular patch panels fully loaded with adapter plates

Adapter Plates

Ultra High Density Patch Panel
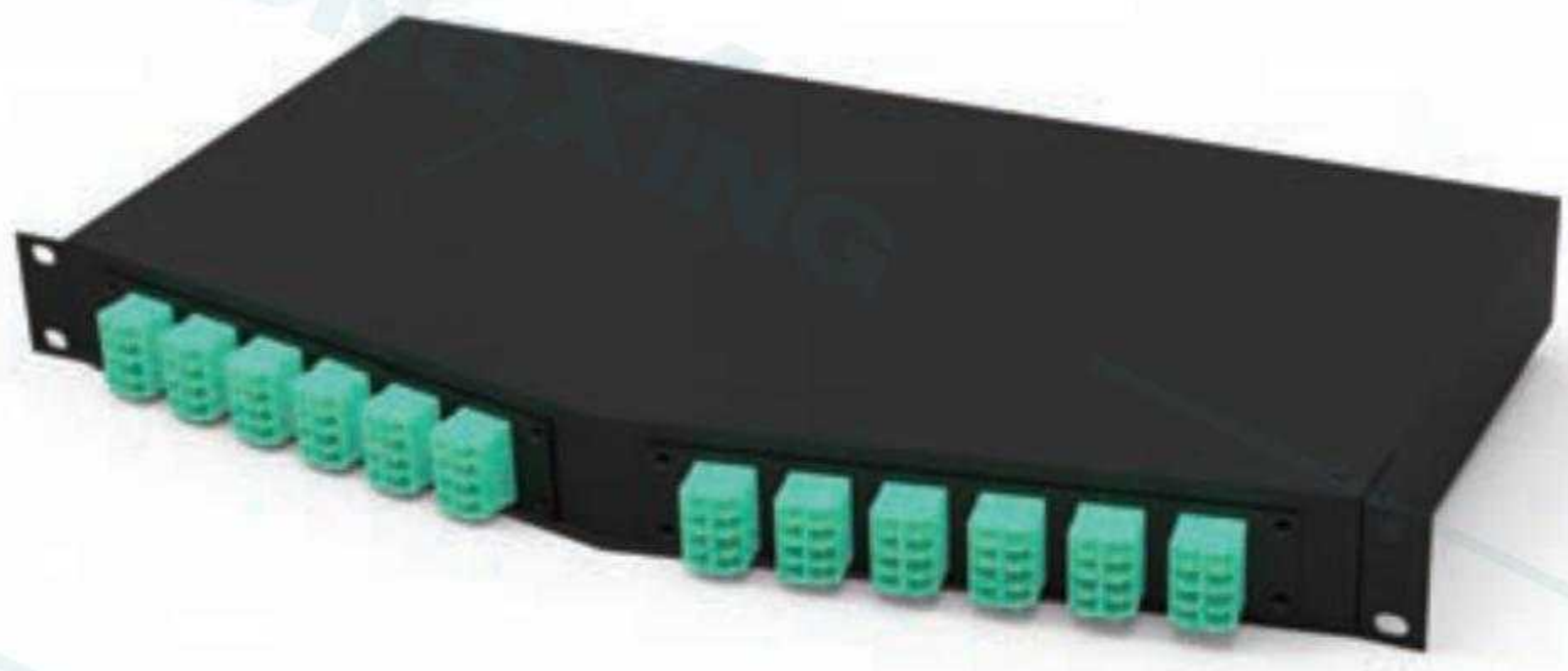
◢ ULTRA DENSITY

Ultra High Density Patch Panels
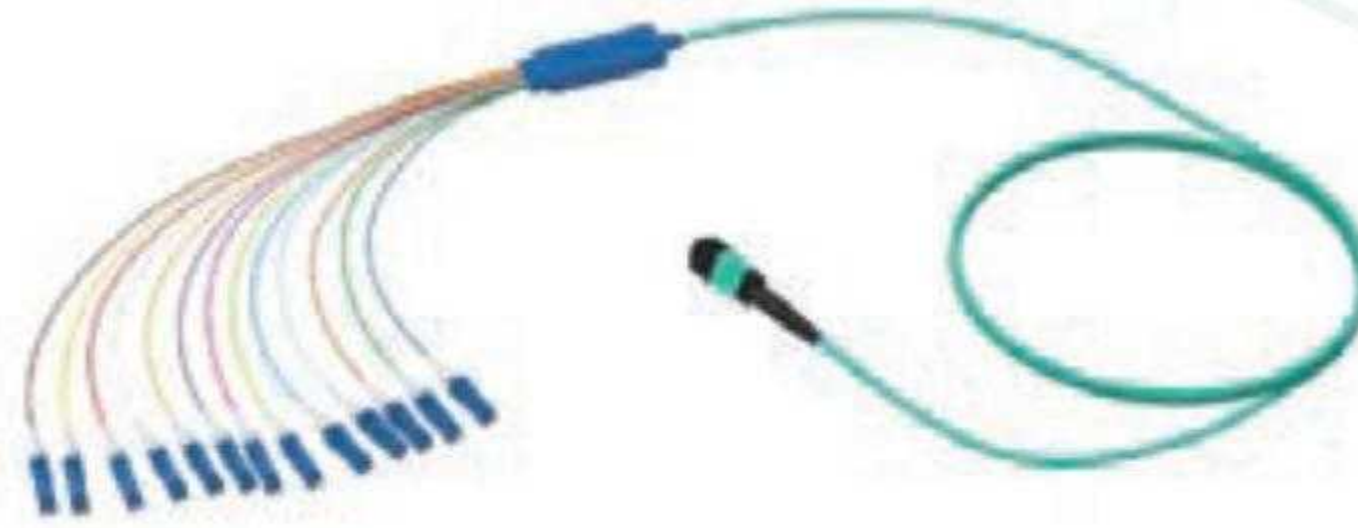
· 1U Angled or 1U Flat
· Up to 144 fiber in 1U, LC to MPO
· Factory configured for repid deployment
· Single-mode or multimode (OM3/OM4)

MPO Harnesses

· Pre-terminated MPO-LC or MPO-SC
· 12 or 24 pin MPO connectors
· Connect directly to equipments

MPO Trunk Cables

· Pre-terminated 40G/100G backbone
· 12,16 or 24 pin MPO connectors
· MPO cassette to cassette connections

Modular patch panels fully loaded with MPO cassettes

· 1U or 3U (max 4 MPO cassettes per 1U)
· Up to 96 fiber in 1U, LC to MPO
· Work with MPO Cassettes
· Factory configured or build your own

MPO Cassettes

· Up to 4 cassettes in 1U
· 12, 24, or 36 fiber per cassette
· Easy installation/replacement

◢ HIGH DENSITY
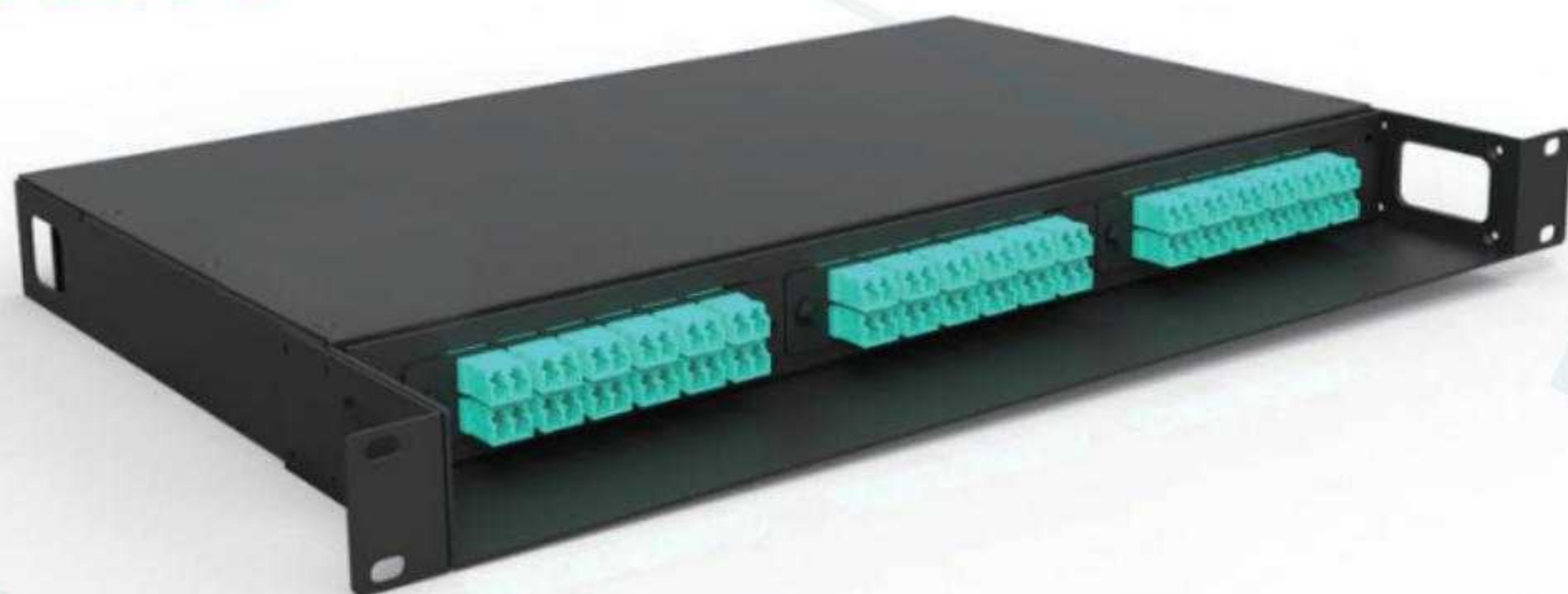
Modular patch panels fully loaded with adapter plates

· 1U (max 4 adapter plates per 1U)
· Up to 108 fiber in 1U, LC to MTP / MPO
· Work with Adapter Plates
· Factory configured or build your own

Adapter Plates

·Up to 4 cassettes in 1U
·12, 24, or 36 fiber per cassette
· Pigtail/Splice tray sets available

MTP / MPO Adapter

·Type A (opposed) or type B (aligned), Full Flange
·Free-hanging or panel-mount design
·High Performance, Premium Quality
·High-strength casing materials

* Customized pre-terminated high density solutions available upon request.

LONGXING

J-MP- ☐ - ☐ - ☐ ☐ ☐ ☐ - ☐ ☐ ☐ ☐ - ☐ ☐ ☐ - ☐ ☐ / ☐ ☐

Fiber Count

04	4 cord
08	8 cord
12	12 cord
16	16 cord
24	24 cord

Wire Map Configuration

A	Type A
B	Type B
C	Type C

Fiber Type

A	Singlemode fiber
I	Singlemode G655 fiber
C	50/125μm
D	62.5/125μm
F	50/125μm OM2
K	62.5/125μm OM2
G	50/125μm OM3
H	OM4

Ribbon Cable Type

B0	Bare fiber
R0	Round cord
V0	Oval cord,flat

Cable Type (Fan-out Section)

C	Coated fiber(250μm)
L	0.9mm loose tube cable
O	2.0mm PVC cable
Q	3.0mm PVC cable
F	LSZH cable 2.0mm
I	LSZH cable 3.0mm
N	No fanout
X	Others, please specify*

Connector Type (MPO/Fanout or MPO)

M0	Male type, flat polish, MPO
M8	Male type, 8°APC angled, MPO
F0	Female type, flat polish, MPO
F8	Female type, 8°APC angled, MPO
SC	SC type
AS	SC/APC type
FC	FC type
AP	FC/APC type
LC	LC type
AL	LC/APC type
MU	MU type
NC	None
XX	Others, please specify*

Fan Out Cable Length

X30	30 cm
X50	50 cm
001	1 m
000	No fanout
XXX	Others*

Configuration

SG	Pigtail
DB	Patch cord

Fiber Length (Include Fanout Length)

0001	1m
0002	2m
0010	10m
0015	15m
X050	50cm
XXXX	Others, please specify*

Ordering Example:

J-MP-12-A-GR0N-0003-DB-000-F0/F0   MPO, 12 cord, Type A, 50/125μm OM3, Round cord, No fanout, 3 m, Patch cord, No fanout, Female type, flat polish, MPO/ Female type, flat polish, MPO.

Note: *If the required type of any item is not on the relevant list, please use "X", "XX", "XXX" or "XXXX" as the red cells indicate, and kindly state the required type in the description of PO.

Inside Our Factory

In recent years, LongXing have been investing in advanced manufacturing facilities which can significantly improve both the productivity and quality of a manufacturing process. Manipulators, in particular, are capable of performing repetitive and complex tasks with speed, accuracy, and consistency. This reduces the risk of errors and defects in the manufacturing process, resulting in higher-quality products that meet or exceed customer expectations.

Metal Sheet Workshop

CNC Grinding Manipulator
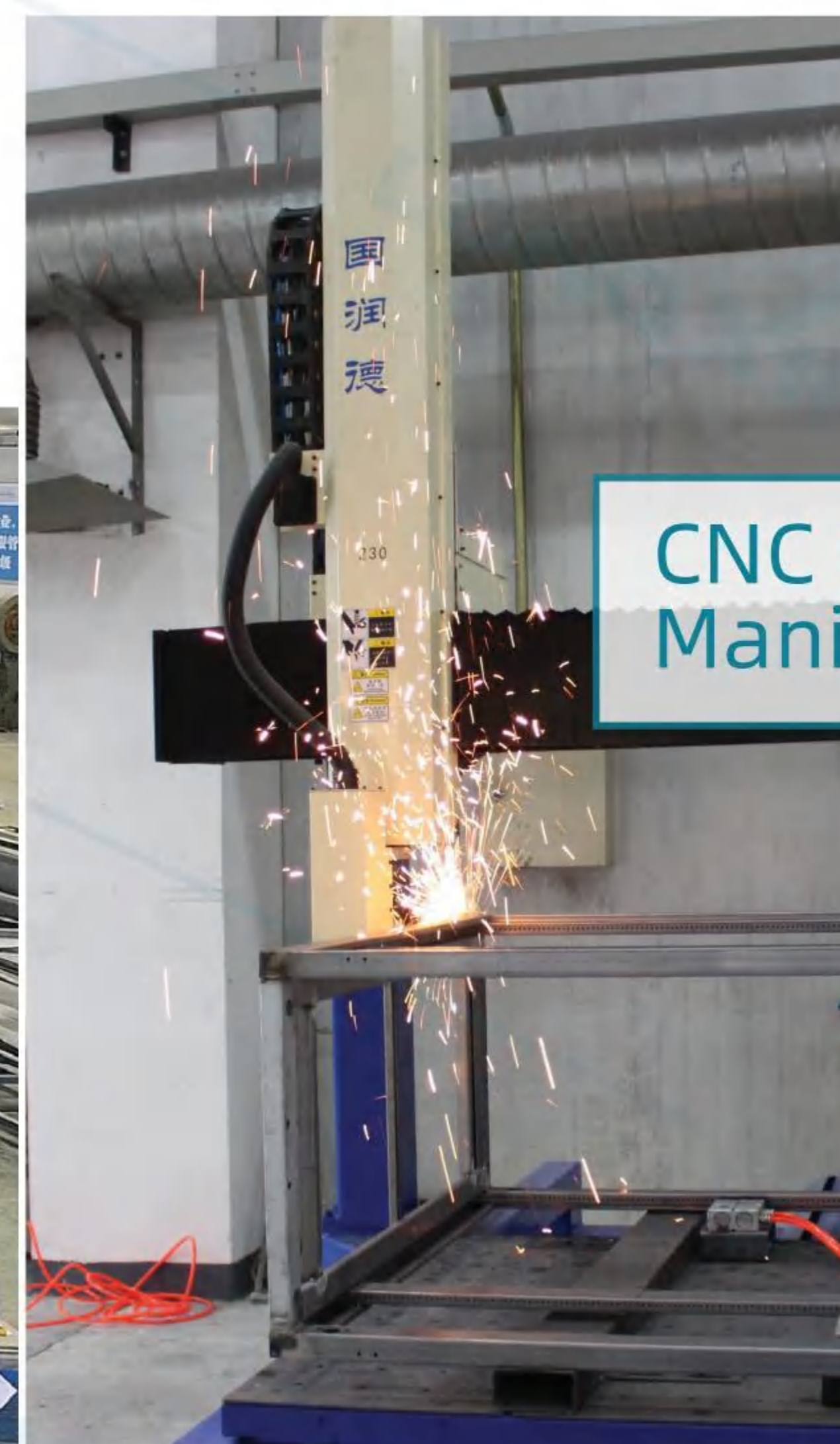
CNC Punching Manipulator

Fiber Optic Workshop

Assembly Workshop

Laser Cutting

Bending Manipulator

Welding Manipulator

Painting Workshop

f **in** **You Tube** LongXing

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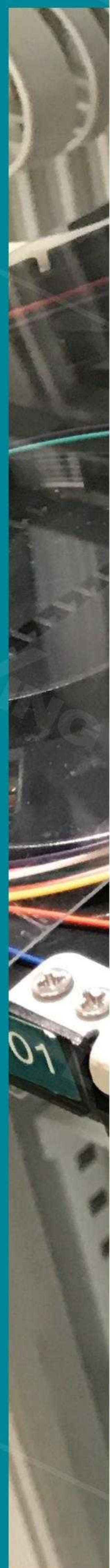
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Website: www.lxtelecom.com

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