

Optical Distribution Frame, also known as Fiber Patch Panel, are installed in ODF, which offer flexible cabling access, expandable frame design and comprehensive cable management. 12 cores, 24 cores, 48 cores, 72 cores, 96 cores, 120 cores and 144 cores are available with different types of fiber optic connectors. ODF are high density fiber optic management frames that serve as a central cross-connect in the Main Distribution Area of the data center.

## Rack Mount Optical Distribution Frame

### Introduction

Rack Mount Optical Distribution Frame "ODF" also named Fiber Patch Panel is a frame used to provide cable interconnections between communication facilities, which can integrate fiber splicing, fiber termination, fiber optic adapters & connectors and cable connections together in a single unit. It can also work as a protective device to protect fiber optic connections from damage.



**Sliding Rack Mounted**



**Swing Rack Mounted**



**Sliding Rack with Lock**

### Application

Rack mount ODF is usually modularity in design with network structure. It can be installed on the rack with more flexibility according to the fiber optic cable counts and specifications. This kind of optical distribution system is more convenient and can provide more possibilities to the future variations. the ODF is not limited to the structure, many factors like applications should be considered, such Fiber Counts with the number of fiber connections in places like data center increase, the need for high density ODF become the trend. And it is very common to find ODF with 24 ports and 48 ports, due to the variety of optical distribution frames installation requirements, it is required a fiber optic connectors such SC, ST, LC, FC and more, also it is available in sliding or swing shapes.

- Ideal for FTTH/FTTX network
- Optical communication networks
- PON passive networks
- LAN networks
- Distribution networks

## Operation Features

Optical Distribution Frame is an indoor ODF in the FTTX network to connect the cable interconnections between communication facilities through fiber port. This fiber ODF is made of high-quality powder coated cold rolled steel and designed for use in residential and business applications for the termination of the fiber optic cables. The ODF is the most popular and comprehensive fiber optic distribution frame which can reduce the cost and increase the reliability and flexibility of fiber optic network during both deployment and maintenance

- Available in Fixed, Sliding or Swing rack mount
- Rack mount 19" 1U for 24 ports and 2U for 48 ports
- Made of powder coated cold rolled steel material
- Integrated with splice cassette and cable management rods
- Compact structure and perfect fiber management
- Suitable for the fusion splice or mechanical splice
- Fiber connector types FC, SC, ST and LC etc.
- High reliability and reasonable inner space design
- Customer connectors are available upon request

## Mechanical Performance Test compliance:

- Fiber Mode: Singlemode or Multimode
- Connector type: SC, FC, ST, LC etc.
- Polish Interface Type: PC, UPC, APC Adapter
- Capacity: 24 or 48 ports, simplex or duplex adaptors
- Splice trays: 2x12 cores or 2x24 cores Splice trays
- Capacity of Adapter: 24 ports 1U and 48 ports 2U
- Installation Models: Fixed, Sliding, with Lock or Swing 19" rack mount  
Size (L×W×H): 482x240x45mm (1U) and 482x300x90mm (2U)
- Entry ports: 3 or 4×φ25mm from back
- Material: High-quality powder cold rolled steel material
- Operation Temperature: -20 to +60°C
- Color: RAL 9004 (black) or RAL7035 (grey)

## Ordering Information

Product Code	Description
LN-LW-FODF-xxx-SX-xx-xM	Optical Fiber Distribution Frame ODF sliding rack mounted
LN-LW-FODF-xxx-SX-xx-xM-SW	Optical Fiber Distribution Frame ODF swing rack mounted
LN-LW-FODF-xxx-SX-xx-xM-DL	Optical Fiber Distribution Frame ODF sliding rack mounted with door and lock

### \* Note:

- xxx:** For the connector types such as "SC, SCA, LC, LCA, FC, ST"
- xx:** For the number of fiber ports such as 24 or 48
- xM:** available for **SM** singlemode fiber or **MM** for Multimode fiber
- SX:** For simplex fiber adaptor or **DX** for duplex fiber adaptor

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This specification is intended as a guide only.

## Rack Mount Modular Optical Distribution Frame

### Introduction

Optical Distribution Frame "Rack Mount Modular ODF" also named Fiber Patch Panel is a high-density Multi-Fiber Modular frame used to provide cable interconnections between communication facilities, which can integrate fiber splicing, fiber termination, fiber optic adapters & connectors and cable connections together in a single unit. It can also work as a protective device to protect fiber optic connections from damage. The basic functions of ODFs provided by today's vendors are almost the same. However, they come into different shapes and specifications such as sliding rack mount, modular rack mount and high-density rack mount. It is used as a termination point for the feeder cable to connect with drop cable in FTTx network system.



### Application

Rack mount modular ODF is usually modularity in design with in network infrastructure. It can be installed on the rack with more flexibility according to the fiber optic cable counts and specifications. This kind of optical distribution system is more convenient and can provide more possibilities to the future variations. the ODF is not limited to the structure, many factors like applications should be considered, such Fiber Counts with the number of fiber connections in places like data center increase, the need for high density ODF become the trend. And it is very common to find ODF with 12 ports and up to 144 ports, due to the variety of optical distribution frames installation requirements, it is required a fiber optic connectors such SC, LC, FC and more.

- Ideal for FTTH/FTTX network
- Optical communication networks
- PON passive networks
- LAN networks
- Distribution networks

# Fiber Optical Distribution Frame

## Operation Features

Optical Distribution Frame is an indoor ODF in the FTTX network to connect the cable interconnections between communication facilities through fiber port. This fiber ODF is made of high-quality powder coated cold rolled steel and designed for use in residential and business applications for the termination of the fiber optic cables. The ODF is the most popular and comprehensive fiber optic distribution frame which can reduce the cost and increase the reliability and flexibility of fiber optic network during both deployment and maintenance

- Available in Fixed or Sliding rack mount
- Rack mount 19" from 1U up to 8U depending on number of ports
- Made of powder coated cold rolled steel material
- Integrated with splice cassette and cable management rods
- Compact structure and perfect fiber management
- Suitable for the fusion splice or mechanical splice
- Fiber connector types SC, LC, FC and ST etc.
- High reliability and reasonable inner space design
- Customer connectors are available upon request

## Mechanical Performance Test compliance:

- Fiber Mode: Singlemode or Multimode
- Connector type: SC, FC, ST, LC etc.
- Polish Interface Type: PC, UPC, APC Adapter
- Chasses Capacity: from 1 slot cards (1U) to 12 slot cards (8U)
- Adapter card: from 1 card, up to 12 cards Card
- Card Capacity: 12 SC simplex adaptor or 12 LC duplex adaptors
- Splice trays: 1x12 cores and up to 12x12 cores
- Capacity of Adapter: From 12 ports and up to 144 ports
- Installation Models: Fixed or Sliding 19" rack mount
- Size (L×W×H): 482x332x45mm (1U) and up to 482x332x324mm (8U)
- Material: High-quality powder cold rolled steel material
- Operation Temperature: -20 to +60°C
- Color: RAL 9004 (black) or RAL7035 (grey)

## Ordering Information

Product Code	Description
LN-LW-FODF-xS-MDC-xU	Optical Fiber Distribution Frame ODF modular rack mounted Chasses
LN-LW-FODF-xxx-SX-12-xM-MD	Optical Fiber Distribution Frame ODF modular rack mounted card 12 or 24 ports

### \* Note:

- xS:** For the number of slots in the modular chasses
- xxx:** For the connector types such as "SC, SCA, LC, LCA, FC, ST"
- xM:** available for **SM** singlemode fiber or **MM** for Multimode fiber
- SX:** For simplex fiber adaptor or **DX** for duplex fiber adaptor

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## Rack Mount High-Density Optical Distribution Frame

### Introduction

Optical Distribution Frame "High-Density ODF" also named Fiber High-Density Patch Panel is a high-density Modular frame used to provide cable interconnections between communication facilities, which can integrate fiber splicing, fiber termination, fiber optic adapters & connectors and cable connections together in a single unit. It can also work as a protective device to protect fiber optic connections from damage. The basic functions of ODFs provided by today's vendors are almost the same. However, they come into different shapes and specifications such as sliding rack mount, modular rack mount and high-density rack mount. It is used as a termination point for the feeder cable to connect with drop cable in FTTx network system.



### Application

Rack mount High-Density ODF is usually modularity in design with in network infrastructure. It can be installed on the rack with more flexibility according to the fiber optic cable counts and specifications. This kind of optical distribution system is more convenient and can provide more possibilities to the future variations. the ODF is not limited to the structure, many factors like applications should be considered, such Fiber Counts with the number of fiber connections in places like data center increase, the need for high density ODF become the trend. And it is very common to find ODF with 4U 144 ports, due to the variety of optical distribution frames installation requirements, it is required a fiber optic connectors such SC, LC, FC, ST and more.

- Ideal for FTTH/FTTX network
- Optical communication networks
- PON passive networks
- LAN networks
- Distribution networks

## Operation Features

Optical Distribution Frame is an indoor or outdoor ODF in the FTTX network to connect the cable interconnections between communication facilities through fiber port. This fiber ODF is made of high-quality powder coated cold rolled steel and designed for use in residential and business applications for the termination of the fiber optic cables. The ODF is the most popular and comprehensive fiber optic distribution frame which can reduce the cost and increase the reliability and flexibility of fiber optic network during both deployment and maintenance.

- Available in Fixed or Sliding rack mount
- Rack mount 19" 4U for 144 ports
- Made of powder coated cold rolled steel material
- Integrated with splice cassette and cable management rods
- Compact structure and perfect fiber management
- Suitable for the fusion splice or mechanical splice
- Fiber connector types SC, LC, FC and ST etc.
- High reliability and reasonable inner space design
- Customer connectors are available upon request

## Mechanical Performance Test compliance:

- Fiber Mode: Singlemode or Multimode
- Connector type: SC, FC, ST, LC etc.
- Polish Interface Type: PC, UPC, APC Adapter
- Chasses Capacity: 12 slot cards (4U)
- Adapter card: 12x12 SC ports or 12x24 LC ports
- Card Capacity: 12 SC simplex adaptor or 12 LC duplex adaptors
- Splice trays: 1x12 cores and up to 12x12 cores
- Capacity of Adapter: From 12 ports and up to 144 ports
- Installation Models: Fixed Modular Chasses 19" rack mount
- Size (L×W×H): 485x340x176mm (4U)
- Material: High-quality powder cold rolled steel material
- Operation Temperature: -20 to +60°C
- Color: RAL 9004 (black) or RAL7035 (grey)

## Ordering Information

Product Code	Description
LN-LW-FODF-12S-HD	Optical Fiber Distribution Frame ODF High-Density rack mounted 12 slot Chasses
LN-LW-FODF-xxx-SX-12-xM-HD	Optical Fiber Distribution Frame ODF High-Density rack mounted card 12 ports

### \* Note:

- xxx:** For the connector types such as "SC, SCA, LC, LCA, FC, ST"
- xM:** available for **SM** singlemode fiber or **MM** for Multimode fiber
- SX:** For simplex fiber adaptor or **DX** for duplex fiber adaptor

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## Rack Mount MPO/MTP Optical Distribution Frame

### Introduction

Optical Distribution Frame "ODF MPO/MTP" also named Fiber Patch Panel MPO/MTP is a high-density Multi-Fiber Push-On frame used to provide cable interconnections between communication facilities, which can integrate fiber splicing, fiber termination, fiber optic adapters & connectors and cable connections together in a single unit. It can also work as a protective device to protect fiber optic connections from damage.



### Application

Rack mount ODF MPO/MTP is usually modularity in design with in network infrastructure. It can be installed on the rack with more flexibility according to the fiber optic cable counts and specifications. This kind of optical distribution system is more convenient and can provide more possibilities to the future variations. the ODF is not limited to the structure, many factors like applications should be considered, such Fiber Counts with the number of fiber connections in places like data center increase, the need for high density ODF become the trend. And it is very common to find ODF with 24 ports, 48 ports or even 144 ports, due to the variety of optical distribution frames installation requirements, it is required a fiber optic connectors such SC, LC, FC, MPO and more.

- Ideal for FTTH/FTTX network
- Optical communication networks
- PON passive networks
- LAN networks
- Distribution networks

## Operation Features

Optical Distribution Frame is an indoor or outdoor ODF in the FTTX network to connect the cable interconnections between communication facilities through fiber port. This fiber ODF is made of high-quality powder coated cold rolled steel and designed for use in residential and business applications for the termination of the fiber optic cables. The ODF is the most popular and comprehensive fiber optic distribution frame which can reduce the cost and increase the reliability and flexibility of fiber optic network during both deployment and maintenance.

- Available in Fixed or Sliding rack mount
- Rack mount 19" 1U for 96 ports and 2U for 192 ports
- Made of powder coated cold rolled steel material
- Integrated with splice cassette and cable management rods
- Compact structure and perfect fiber management
- Suitable for the fusion splice
- Fiber connector types SC, LC, FC and MPO etc.
- High reliability and reasonable inner space design
- Customer connectors are available upon request

## Mechanical Performance Test compliance:

- Fiber Mode: Singlemode or Multimode
- Connector type: SC, FC, LC, MPO etc.
- Polish Interface Type: PC, UPC, APC
- Adapter plates: 4 plates (1U) and 8 plates (2U)
- Plates Capacity: 24 LC ports or 12 SC ports adaptors
- Splice trays: 4x24 cores or 8x24 cores Splice trays
- Capacity of Adapter: Up to 96 ports 1U and 192 ports 2U
- Installation Models: Fixed 9" rack mount
- Size (L×W×H): 482x315x45mm (1U) and 482x315x90mm (2U)
- Entry ports: 4×φ25mm from back
- Material: High-quality powder cold rolled steel material
- Operation Temperature: -20 to +60°C
- Color: RAL 9004 (black) or RAL7035 (grey)

## Ordering Information

Product Code	Description
LN-LW-FODF-4S-MPO	Optical Fiber Distribution Frame ODF High-Density MPO rack mounted 4 slot Chasses
LN-LW-FODF-8S-MPO	Optical Fiber Distribution Frame ODF High-Density MPO rack mounted 8 slot Chasses
LN-LW-FODF-xxx-DX-12-xM-MPO	Optical Fiber Distribution Frame ODF High-Density MPO rack mounted card 24 ports

### \* Note:

- xxx:** For the connector types such as "SC, SCA, LC, LCA, FC, MPO"
- xM:** available for **SM** singlemode fiber or **MM** for Multimode fiber
- SX:** For simplex fiber adaptor or **DX** for duplex fiber adaptor

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