**SPECIFICATION**

# 4-12PORTS MULTI SERVICE TERMINAL (MST) ENCLOSURE

OMC FTTH

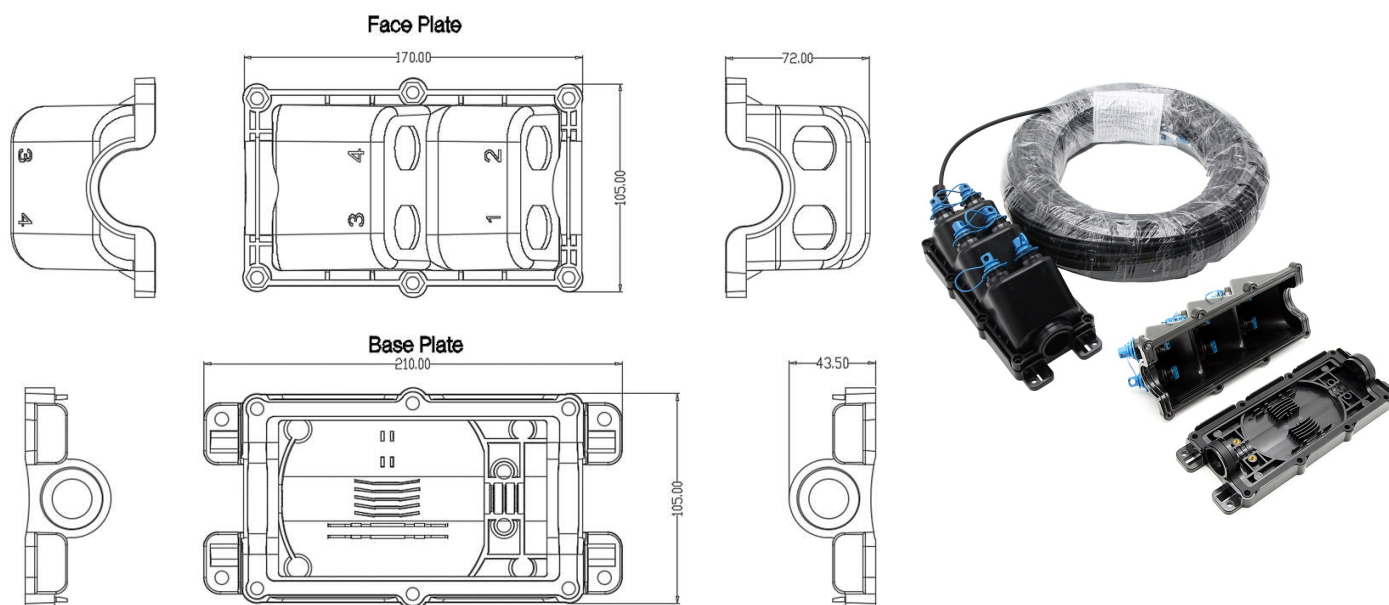# 4-12Ports Multi Service Terminal (MST) Enclosure

## Description

Fiber MST Fiber Optic Multiport Service FTTX Enclosure is also be named FiberHub box. This is a new economic fiber distributed solution for outdoor use. Comparing traditional products, FiberHub Box is easy to operate and has high compatibility. It can be used for wall-mounting, aerial installation or holding pole installation, based on different situation. FiberHub not only used in FTTH field, but also used in FTTA or other harsh environment field.

OMC's MST Enclosure is a piece of versatile fiber optic connection equipment with reasonable interior structural design. It is mainly employed in the optical communication links for straight joint and distribution and relevant protection. 4-12 pcs of enhanced pre-connectorized waterproof adapters compatible with Corning OptiTap products and solutions in FTTA.

## Waterproof Multiport Service Terminals (MST) Box With OptiTap SC ,Part No.: FMST-4BS-1

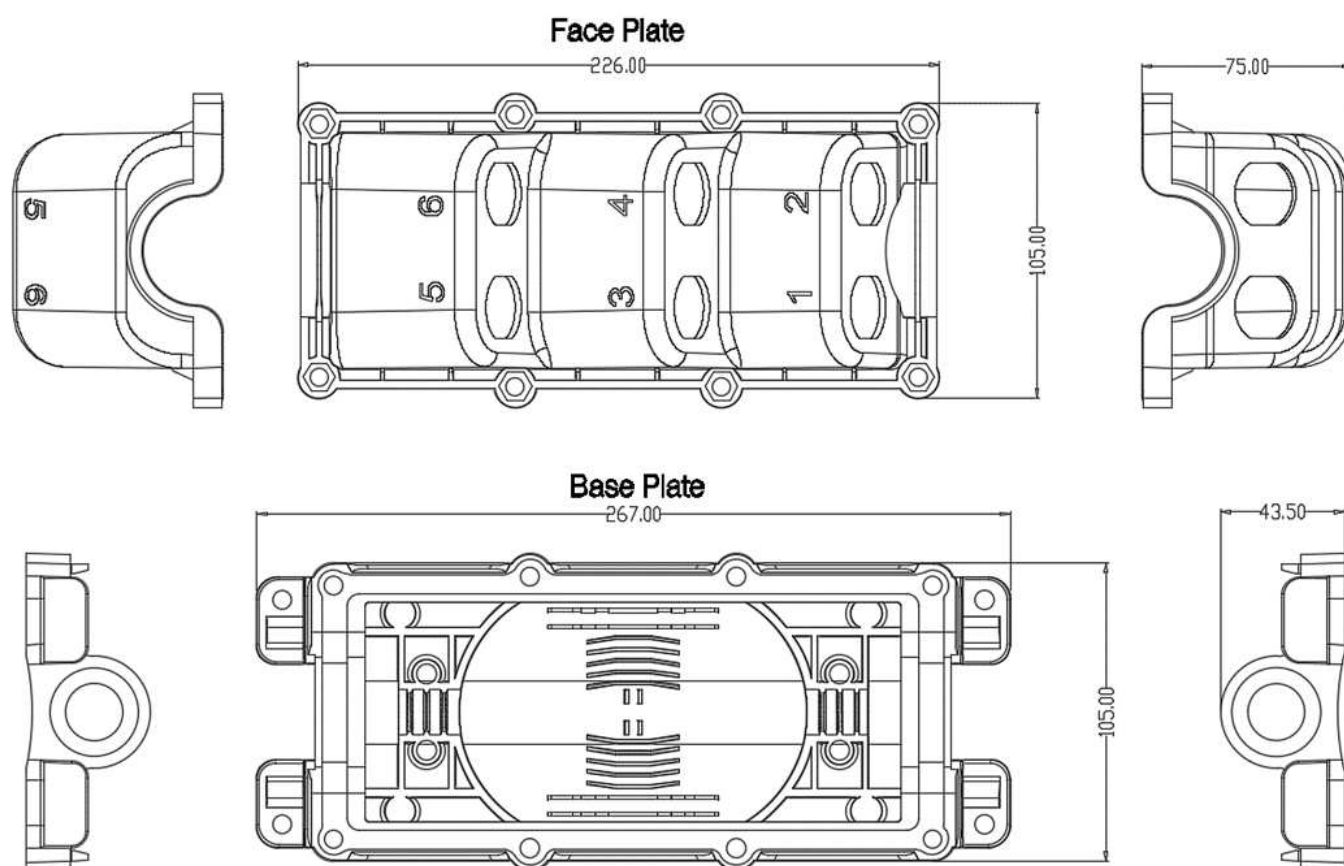| | |
|---|---|
| Dimensions(LxWxH) | 210x105x96mm(4Core) |
| Shell materials | Plastic: Reinforced PC+ABS or SABIC Flame retardant PC<br>Metal: Stainless steel 304 |
| Ingress Protection | IP68 |
| Working Temperature | -40~85℃ |
| Waterproof Adapter | OptiTap (SC/LC/MPO), Mini (SC/LC/MPO) ,ODVA (SC/LC/MPO) |
| Round Cable OD | 5.0mm to 14.0mm,LSZH,PE or TPU Armoured or Non-armoured |
| Flat Cable Dimension | 3.0x4.5mm; 4x7mm; 4.5x8.1mm; 4.5x9.8mm with LSZH,PE |
| Entrance | Cable gland or OptiTap adapter |
| Tensile Strength | 1200N long term |
| UV Resistance | ISO 4892-3 |
| Fire Protection Rating | UL94-V0 |



Face Plate

Base Plate

**Waterproof Multiport Service Terminals (MST) Box With OptiTap SC ,Part No.: FMST-6BS-1**

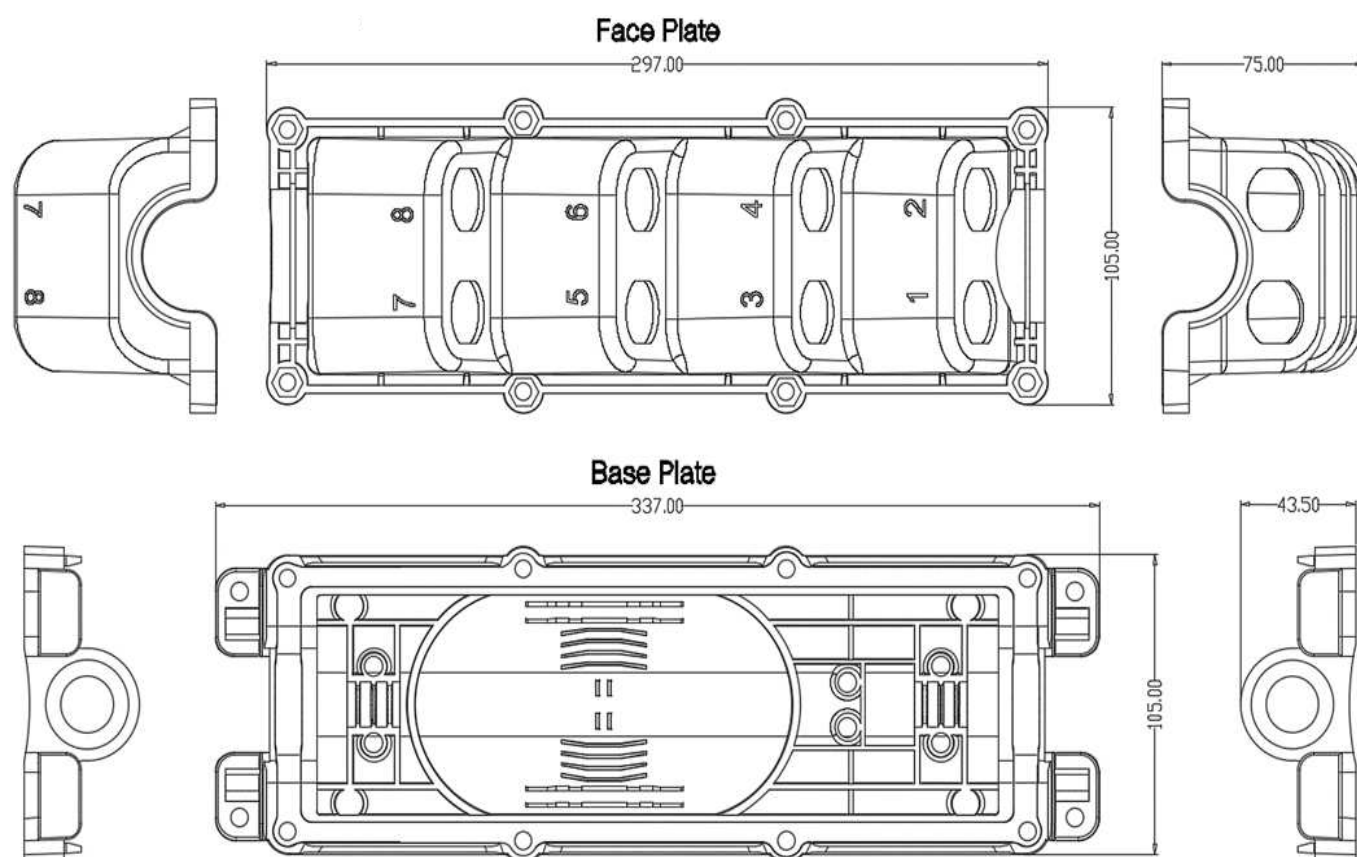| | |
|---|---|
| Dimensions(LxWxH) | 267x105x96mm(4Core) |
| Shell materials | Plastic: Reinforced PC+ABS or SABIC Flame retardant PC<br>Metal: Stainless steel 304 |
| Ingress Protection | IP68 |
| Working Temperature | -40~85℃ |
| Waterproof Adapter | OptiTap (SC/LC/MPO), Mini (SC/LC/MPO) ,ODVA (SC/LC/MPO) |
| Round Cable OD | 5.0mm to 14.0mm,LSZH,PE or TPU Armoured or Non-armoured |
| Flat Cable Dimension | 3.0x4.5mm; 4x7mm; 4.5x8.1mm; 4.5x9.8mm with LSZH,PE |
| Entrance | Cable gland or OptiTap adapter |
| Tensile Strength | 1200N long term |
| UV Resistance | ISO 4892-3 |
| Fire Protection Rating | UL94-V0 |



Face Plate



Base Plate

**Waterproof Multiport Service Terminals (MST) Box With OptiTap SC ,Part No.: FMST-8BS-1**

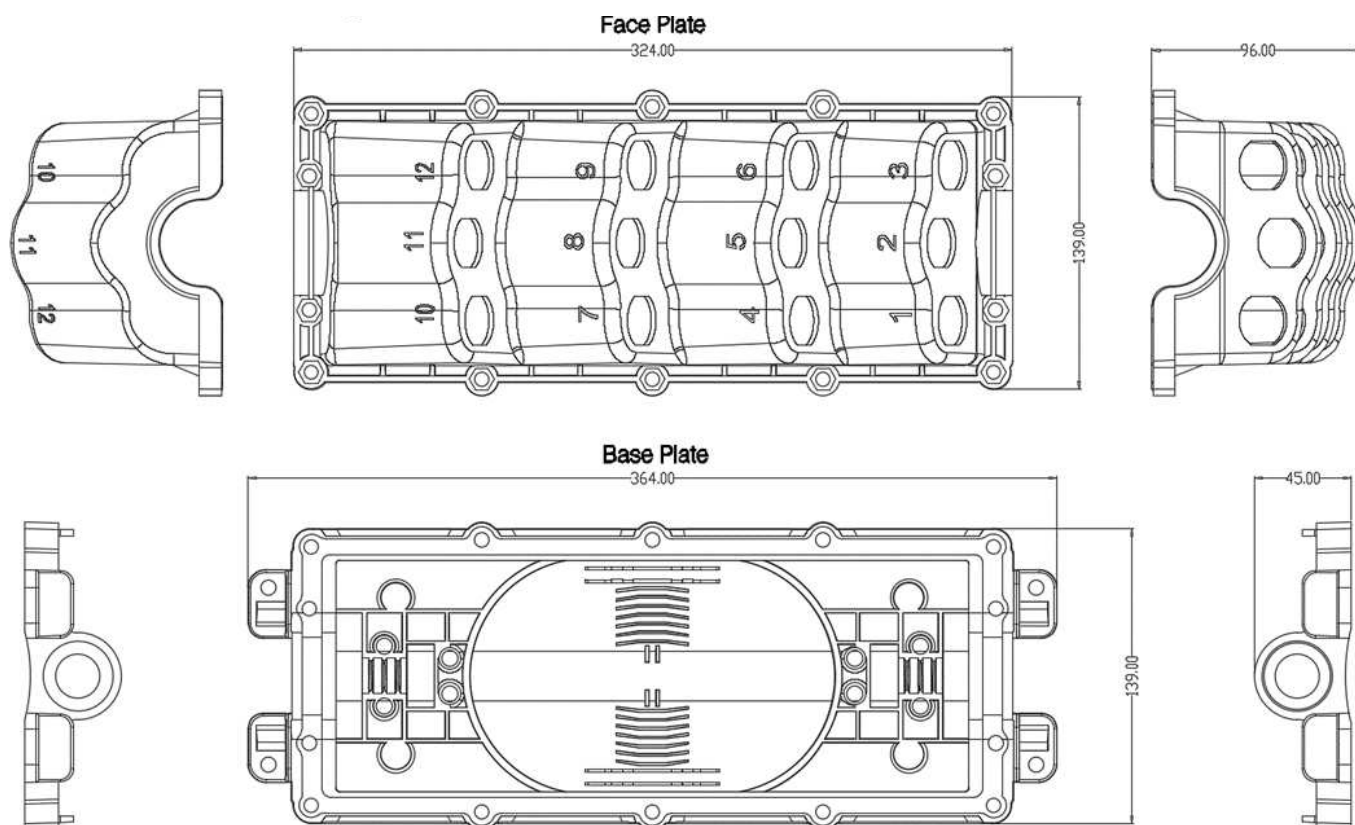| Dimensions(LxWxH) | 297x105x96mm(4Core) |
|---|---|
| Shell materials | Plastic: Reinforced PC+ABS or SABIC Flame retardant PC<br>Metal: Stainless steel 304 |
| Ingress Protection | IP68 |
| Working Temperature | -40~85℃ |
| Waterproof Adapter | OptiTap (SC/LC/MPO), Mini (SC/LC/MPO) ,ODVA (SC/LC/MPO) |
| Round Cable OD | 5.0mm to 14.0mm,LSZH,PE or TPU Armoured or Non-armoured |
| Flat Cable Dimension | 3.0x4.5mm; 4x7mm; 4.5x8.1mm; 4.5x9.8mm with LSZH,PE |
| Entrance | Cable gland or OptiTap adapter |
| Tensile Strength | 1200N long term |
| UV Resistance | ISO 4892-3 |
| Fire Protection Rating | UL94-V0 |

Face Plate

Base Plate

**Waterproof Multiport Service Terminals (MST) Box With OptiTap SC ,Part No.: FMST-12BS-1**

| | |
|---|---|
| Dimensions(LxWxH) | 324x139x118mm(4Core) |
| Shell materials | Plastic: Reinforced PC+ABS or SABIC Flame retardant PC<br>Metal: Stainless steel 304 |
| Ingress Protection | IP68 |
| Working Temperature | -40~85℃ |
| Waterproof Adapter | OptiTap (SC/LC/MPO), Mini (SC/LC/MPO) ,ODVA (SC/LC/MPO) |
| Round Cable OD | 5.0mm to 16.0mm,LSZH,PE or TPU Armoured or Non-armoured |
| Flat Cable Dimension | 3.0x4.5mm; 4x7mm; 4.5x8.1mm; 4.5x9.8mm with LSZH,PE |
| Entrance | Cable gland or OptiTap adapter |
| Tensile Strength | 1200N long term |
| UV Resistance | ISO 4892-3 |
| Fire Protection Rating | UL94-V0 |



Face Plate

Base Plate

**Products Highlights.**



4 Ports MST Box Install with 1x4 PLC splitter,5pcs of OptiTap Waterproof



4 Ports MST Box Load with 4F Flat&Round Drop cable, Branch out 4 pigtails in it



4 Ports MST Box Loaded with 4F Flat&Round Drop cable pigtail and 1x4 PLC Splitter



5 Ports MST Box Install with 1x2 Splitter&1x4 PLC splitter,6pcs of OptiTap Waterproof adapter



6 Ports MST Box Load with Cable Gland Entrance



6 Ports MST Box Loaded with  7pcs of OptiTap Water-proof adapter



6 Ports MST Box Load with 6F Flat&Round Drop cable, Branch out 46pigtails in it

**Products Highlights.**



6 Ports MST Box Loaded with 6F Flat&Round Drop Cable, Branch out 8 pigtails in it.



8 Ports MST Box Install with 1x8 PLC splitter, 9pcs of OptiTap adapter as Entrance



8 Ports MST Box Loaded with 8F Flat&Round Drop Cable, Branch out 6 pigtails in it.



8 Ports MST Box Loaded with 8F Flat&Round Drop Cable, 1x8 Splitter load inside



4 Ports MST Box Fully connectorized indexing Chain Solution,6pcs of OptiTap Waterproof adapter



8 Ports MST Box Fully connectorized indexing Chain Solution,10pcs of OptiTap Waterproof adapter



12 Ports MST Box Loaded with 12F Flat&Round Drop Cable, Branch out 12 pigtails in it.



12 Ports MST Box Load with waterproof optiTap adapter as Entrance,13pcs of OptiTap Waterproof adapter

# 2-12Ports Multi Service Terminal (MST) Enclosure

## Features:

- High compatibility: Can be assembled ODVA (SC/LC/MPO) , OptiTap (SC/LC/MPO) Mini (SC/LC/MPO) waterproof Adapters
- Each box can be fully assembled to reduce the need for opening and opening the field in the field.
- Hardened connectors are factory-terminated and environmentally sealed for use in optical drop cable deployments.
- Plug-and-play adapter ports ensure rapid cable installment in the outside plant access section of the network.
- Multi-port Service Terminals incorporate hardened connector technology that is designed to withstand the rugged outside plant environment.
- Factory terminated IP68 rated, high quality, high performance connectors.
- Flexible choice of ports: 4, 6, 8 ,12 terminals are available.
- Kind of mounting bracket allowing for a wide range of mount options.
- Strong enough: working under 1200N pulling force long term.
- Available with PLC or Distribution cable or MPO-LC fanout cable for fiber divide.

## Application:

- FTTH Projects
- FTTA Projects
- Truck cable connecting
- Prospecting or military communication

## Environmental requirement

- Working temperature：-40℃ ~ +85℃
- Relative humidity：≤85%（+30℃）
- Atmospheric pressure：70KPa ~ 106Kpa

## Thunder-proof technical datasheet

- The insulation resistance between the grounding device and the metal parts of the box is no less than $2 \times 10^4$ M Ω/500V（DC）；IR≥$2\times10^4$ MΩ/500V,
- The voltage resistance between the grounding device, and the box and its metal parts is no less than 3000V （DC）/min, no puncture，no flashover；U≥3000V

## Optional Accessories



Pole Mounted kits

Aerial Mounted kits