

SPECIFICATION

2-12PORTS MULTI SERVICE TERMINAL (MST) ENCLOSURE



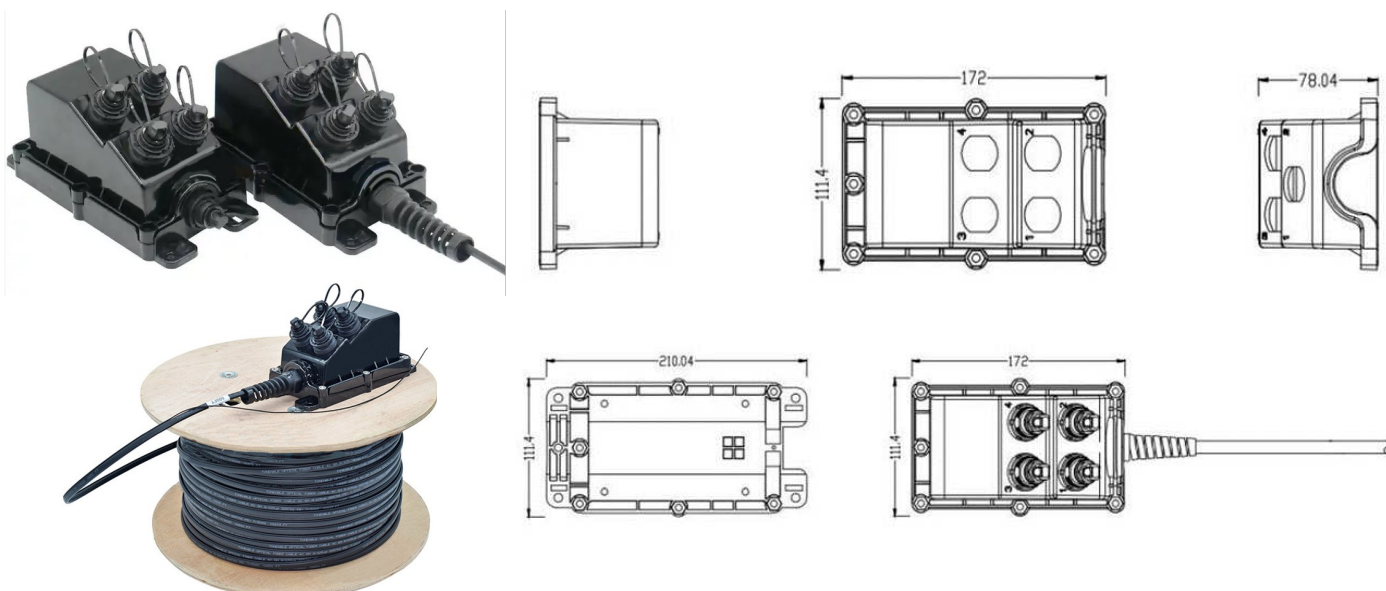
Description

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-4AS-1

| | |
|------------------------|--|
| Dimensions(LxWxH) | 210x114x121mm(4Core) |
| Shell materials | Plastic: Reinforced PC+ABS or SABIC Flame retardant PC Metal: Stainless steel 304 |
| Ingress Protection | IP68 |
| Working Temperature | -40~85°C |
| Adapter | OptiTap SC, OptiTap LC Duplex, OptiTap 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 |

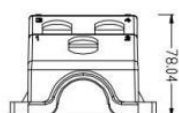
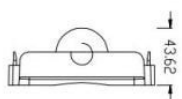
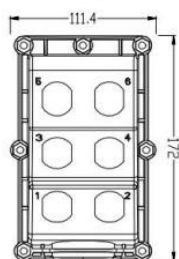
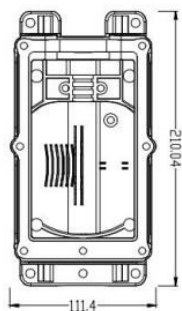
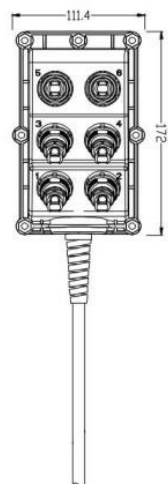
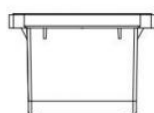
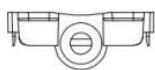
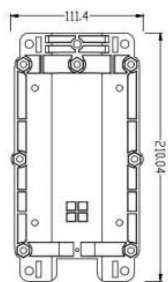




2-12Ports Multi Service Terminal (MST) Enclosure

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

| | |
|------------------------|--|
| Dimensions(LxWxH) | 210x114x121mm(6Core) |
| Shell materials | Plastic: Reinforced PC+ABS or SABIC Flame retardant PC Metal: Stainless steel 304 |
| Ingress Protection | IP68 |
| Working Temperature | -40~85°C |
| Adapter | OptiTap SC, OptiTap LC Duplex, OptiTap 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 |





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

| | |
|------------------------|--|
| Dimensions(LxWxH) | 282x111x121mm(8Core) |
| Shell materials | Plastic: Reinforced PC+ABS or SABIC Flame retardant PC Metal: Stainless steel 304 |
| Ingress Protection | IP68 |
| Working Temperature | -40~85℃ |
| Adapter | OptiTap SC, OptiTap LC Duplex, OptiTap 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 |

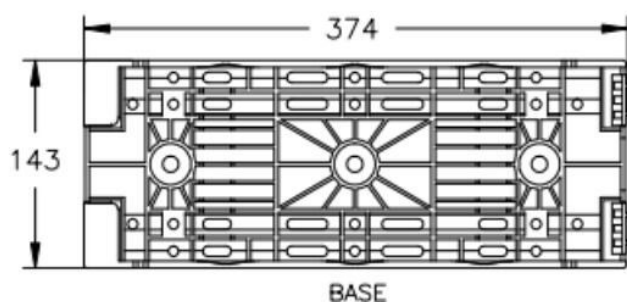
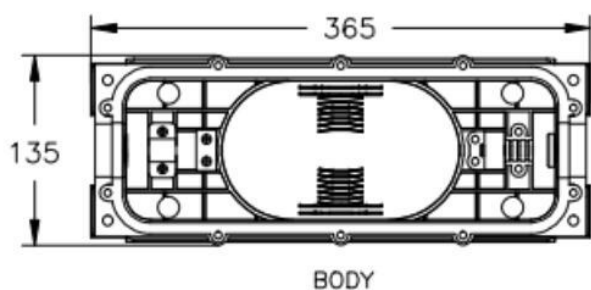
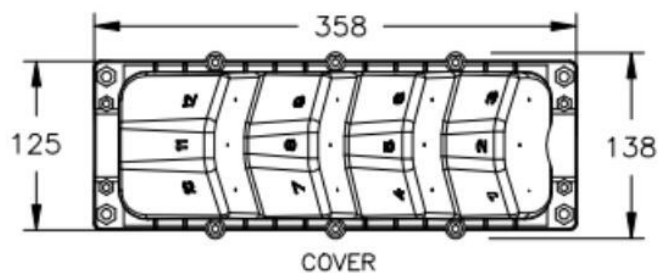




2-12Ports Multi Service Terminal (MST) Enclosure

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

| | |
|------------------------|--|
| Dimensions(LxWxH) | 374x143x121mm(12Core) |
| Shell materials | Plastic: Reinforced PC+ABS or SABIC Flame retardant PC Metal: Stainless steel 304 |
| Ingress Protection | IP68 |
| Working Temperature | -40~85°C |
| Adapter | OptiTap SC, OptiTap LC Duplex, OptiTap 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 |



Products Highlights.



2 Ports MST Box Install with 1x2 PLC splitter, 3pcs of OptiTap Waterproof



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 Waterproof adapter



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



2-12Ports Multi Service Terminal (MST) Enclosure

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

Features:

- High compatibility: can be assembled ODVA (SC/LC/MPO) , H connector(OptiTap (SC/LC/MPO) compatible), Mini (SC/LC/MPO) Adapters
- Factory-sealed or field assembly.
- IP68 water and dust protection
- Strong enough: working under 1200N pulling force long term.
- From 2 to 12 ports for single or multifiber harsh connectors.
- Wall-mounting, aerial installation or holding pole installation.
- Decreased angle surface and height make sure no connector interfering when operating.
- Cost effective: save 40% operating time.
- 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: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- Relative humidity: $\leq 85\%$ ($+30^{\circ}\text{C}$)
- Atmospheric pressure: $70\text{KPa} \sim 106\text{Kpa}$

Thunder-proof technical datasheet

- The insulation resistance between the grounding device and the metal parts of the box is no less than $2 \times 10^4 \text{ M}\Omega/500\text{V}$ (DC) ; $IR \geq 2 \times 10^4 \text{ M}\Omega/500\text{V}$,
- 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; $U \geq 3000\text{V}$

Optional Accessories

