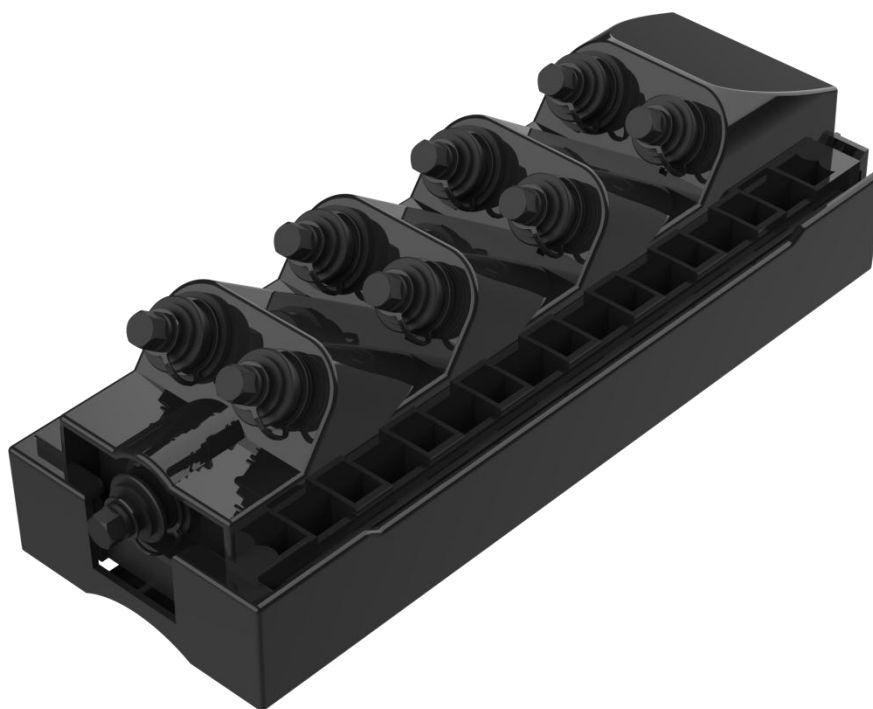


FTTX Outdoor 10 Ports

IP68 Multiport Service Terminal (MST) Box

- For FTTxSolution



Product Overview

The ARTIC FIBER Multiport Terminal is a sealed pluggable distribution point supporting local drop connections as well as distributed split FTTx architectures. The IP68 factory sealed terminal is available in 4, 8, or 12 port footprints accommodating different deployment needs and spaces. The weatherproof design and sealed pluggable ports offer quick drop cable connection while performing to the stringent environmental demands of the extreme outdoor environments.

Combined with Corning OptiTap hardened fiber optic drop cables, The MST provides a rugged pluggable outdoor fiber connection point to support rapid provisioning and long term performance.

Keyed Characteristics

- ✓ High compatibility: Can be assembled ODVA, OptiTap compatible) Mini SC, AARC, PTLC, PTMPO or power adapter;
- ✓ Factory-sealed or field assembly;
- ✓ Strong enough: working under 1200N pulling force long term;
- ✓ 12pcs hardened optical adapter;
- ✓ Available with PLC or splice directly;
- ✓ IP68 waterproof rating;
- ✓ Wall-mounting, aerial installation or holding pole installation;
- ✓ Decrease angle surface and height make sure no connector interfering when operating;
- ✓ Meet IEC 61753-1 standard;
- ✓ Cost effective: save 40% operating time;
- ✓ Fast installation: Plug and Play;
- ✓ Anti-UV;
- ✓ High quality PV fire resistant and flame-resistant material.

Application

- ✓ Telecom & ISP Networks – Rapid rollout of fiber broadband services;
- ✓ Municipal & Rural Deployments – Extending high-speed internet access;
- ✓ Smart City Infrastructure – Supporting 5G backhaul and IoT connectivity.

Standards

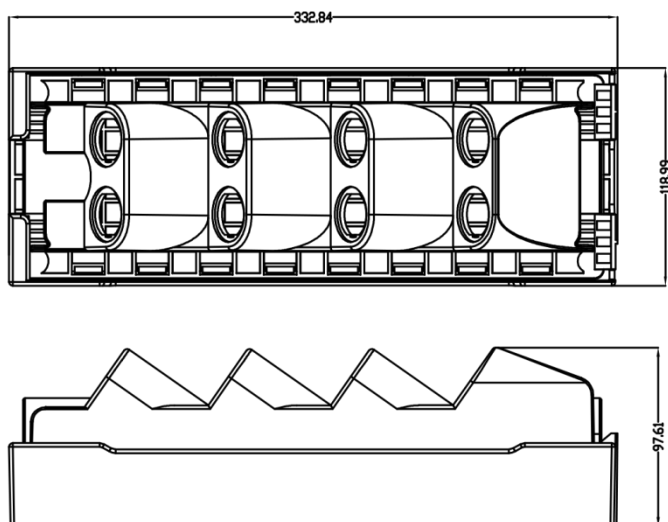
ART1260	
IngressProtection	IP68
UV resistant	Yes
Material	Hardened plastic
Sealingmaterial	Silicone rubber
Sealing type	Bolt
Dimensions - in (mm)	13.1" x 4.7" x 3.84" (332.84 x 118.99 x 97.61), without cable.
ApproxWeight - lbs. (kg)	2.4 (1.1), without cable.
Weight of cable dielectric (lbs/ kft ±10%)	21.7
ApproxWeight - lbs. (kg)	2.4 (1.1), without cable.
Weight of cable toneable (lbs/ kft ±10%)	25.4
Max. Pole Diameter	Up to 8" (203.2mm)
Aerial Installation Max. CableDiameter	Up to 3/ 4" (19mm)

For more options on field installation, please consult our sales team.

Dimension

*Sizes in [mm] inches.

*Tolerance $\pm$ [1mm] 0.039in



Including with

No.	Quantity	Description	No.	Quantity	Description
1	1 PCS	10 portsMultiport Service Terminal	2	1 kit	Installation kit and ILRL Test Report

Physical Parameter

Temp. Range Operation (°C)	-40 to +70
Temp. Range Storage (°C)	-40 to +70
Temp. Range Installation (°C)	-40 to +70

Installation

► Strand Mounting

The ARTIC FIBER Multiport Terminal can be mounted to strand using the Strand Mount Bracket Kit. The terminal should be mounted in a horizontal orientation with the ports facing down and towards the nearest pole. The stub of the terminal should be routed to the strand avoiding sharp bends. The stubs of the TRIDENT Hardened Drop Cables should also be bundled together and routed to the strand avoiding sharp bends that would violate the minimum bend radius of the stub cable (Figure 1).

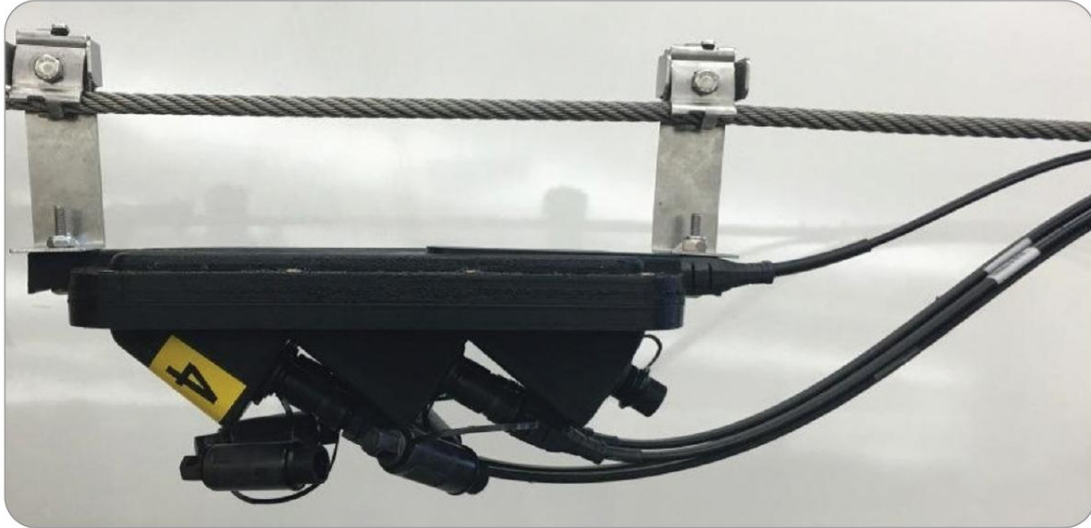


Figure 1 — Stand Mount Application

► Wall or Pole Mounting

For pole and wall mount applications, ARTIC FIBER recommends mounting the Multiport Terminal in a vertical orientation with the cable stub at the bottom. For applications where the stub must reach an enclosure mounted above the terminal or the stub spans aerially from pole-to-pole, the stub should be routed 180° up the pole (Figure 2). The stub should be routed vertically down the pole for at least 6" before beginning the 180° bend, taking care not to violate the minimum bend radius of the stub cable. To avoid excessive side pressure to the ports on the ARTIC FIBER Multiport Terminal, the Hardened Drop Cable stubs should follow the same routing path as the stubs for the terminal. ARTIC FIBER recommends the use of 2" bridle rings to aid in guiding the cable stubs (Figure 3).



Figure 2 — Pole Mount Application



Figure 3 — Bridle Ring

Handhole or Pedestal Mounting

The ARTIC FIBER Multiport Terminal should be mounted in the handhole or pedestal with adequate space to route the terminal and drop stubs (Figure 4) without violating the minimum bend radius of the stub cables. To avoid excessive side pressure to the ports on the ARTIC FIBER Multiport Terminal, the OptiTap Hardened Drop Cable stubs should follow the same routing path as the stubs for the terminal.



Figure 4 — Handhole Mount Application

Technical Parameter

Polishing Type	APC (ANGLED PHYSICAL CONTACT)
Connector Type	OptiTap SC Hardened Connector
Max. Insertion Loss (1,310nm/ 1,550nm)	≤0.3dB
Max. Return Loss (1,310nm/ 1,550nm)	≥65dB
Cable Max. attenuation (1,310nm/ 1,550nm)	0.36/0.25 (dB/ km)

Packing Example



50 ft to 750 ft					
Part No.	Quantity per pallet	Side A in/ (mm)	Side B in/ (mm)	Side C in/ (mm)	Side D in/ (mm)
(1) Individual box ART1260	48	5.70" (145)	23.6"(600)	19.88" (505)	-
(2) Pallet Packed	-	74.01" (1,880)	48" (1,219)	40" (1,016)	5.5" (140)