

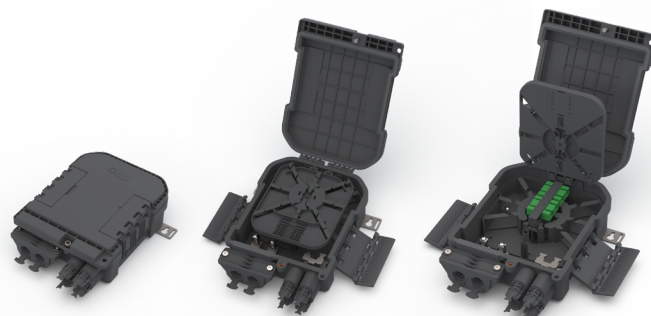
Sapphire™

Micro Drop Terminal (MDT)



Features & Benefits

- Extremely compact IP-68 footprint
- Indoor/Outdoor wall mount or pole mount
- One or two input ports for 3mm, 6mm, 8mm-13mm cable
- Pass-through capability with uncut tubes storage
- Centralized or distributed architectures (with 1x4 PLC Splitter)
- Spliced or pre-terminated drop cables
- SC or LC pigtails and adapters
- Flat or round drop cables



Overview

The Sapphire™ Micro Drop Terminal (MDT) is an indoor/outdoor fiber enclosure, designed especially for last-mile FTTH connections. Smaller than other products with similar functionality and capacity, the MDT supports a wide range of applications for pass-through, direct splicing, pre-terminated, splitting and other custom options.

Designed to exceed IP-67 requirements, the Sapphire MDT provides reliable protections for the fiber connections inside. Its mechanical sealing allows quick and easy servicing and re-entry for adding new subscribers.

Feature rich and modular, the MDT comes with everything that is needed for installation – full set of cable grommets, storage basket for uncut tubes, splice tray for six splices and a mini-PLC splitter, and a bulkhead bracket for two SC Duplex or LC Quad adapters.

Technical Data

Mechanical Data

Dimensions (H x W x D)	Adapter type	Drop cable capacity
176 x 136 x 63 mm (6.93 x 5.35 x 2.4 in)	SC or LC	4 flat drop or round cable

Splice tray	Feeder Cable Port
6 fibers + mini-PLC splitter	Maximum 13mm (0.51 in) with pass-through capability - Dual 8-10mm ports with options for 2-4mm cable - Dual 10-13mm ports with options for 4-6mm cable

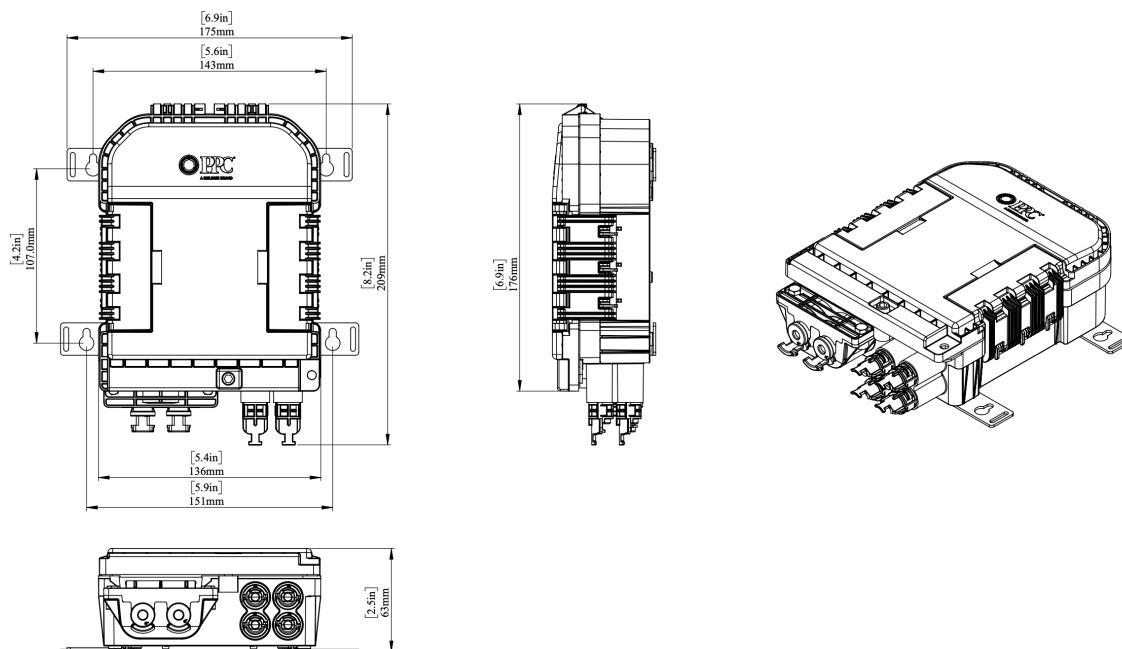
Environmental Data

IP rating	Material	Weight
IP-68	PC+PBT	550 gr (1.2 pounds)

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Technical Drawing



Ordering Information

Example MDT 0 4 A 2 4 6 4 3 2 A A
 (* = Optional) 1 2 3* 4* 5* 6

Input Cable Grommets:

One or two input ports for 3mm, 6mm, 8mm-13mm cable.
 Pass-through capability with uncut tubes storage.

1 Drop cable capacity	4 Pigtail type and count	5 PLC splitter
04 = 4 drop cables	211 = 2xLCUPC G657a1 411 = 4xLCUPC G657a1 212 = 2xLCAPC G657a1 412 = 4xLCAPC G657a1 231 = 2xSCUPC G657a1 431 = 4xSCUPC G657a1 232 = 2xSCAPC G657a1 432 = 4xSCAPC G657a1 EMPTY = None	A = 1x4, bare fiber for splicing EMPTY = None
2 Drop cable type		6 Logo and configuration
A = Flat drop 8x4.5mm B = 2-4mm round cable C = 4-6mm round cable		A = PPC logo, heat shrink tray B = PPC logo, crimp splice tray
3 Adapter type and count		
120 = 1xLC Quad blue 220 = 2xLC Quad blue 121 = 1xLC Quad green 221 = 2xLC Quad green 145 = 1xSC Duplex blue 245 = 2xSC Duplex blue 146 = 1xSC Duplex green 246 = 2xSC Duplex green EMPTY = None		

Accessory Grommet Kits

Part Number	Description
MDT04-KIT24	Kit of 4 Round Grommets 2-4mm
MDT04-KIT46	Kit of 4 Round Grommets 4-6mm