DATA SHEET

MULTIPORT MID-SPAN TERMINAL (MMT)

The Multiport Mid-Span Terminal (MMT) is a splice and drop outside plant fiber terminal providing ultimate flexibility for multiple network architectures (centralized, distributed split, and distributed TAP), and mounting options. MMT is perfect for telecom, FTTx, or wireless fiber networks, especially those with long-distance fiber runs or clustered subscribers like rural applications. And MMT guarantees quality and water-tight performance in above and below-grade installations. The terminal features Go!Foton's exclusive PEACOC® spreadable adapter technology and other technician-friendly elements, making for quicker turn-up and easy maintenance. MMT helps the fiber networks work smarter, not harder, saving time and money.

Features:

- Large capacity in a compact size (up to 288F feeder cable, 144 splices, and 16 drops)
- Modular, field-replaceable, completely configurable trays for your unique network needs (splitter/TAP/WDM components)
- Supports standard field-installable connectors on drop cables
- Isolated user access between feeder/branch splice and drop cable/splice areas
- Eight cable entry/exit ports for feeder and branch cables
- Butt splice and inline splice capable
- Pole, strand, wall, pedestal, handhole/manhole mountable
- Kickstand and attached accessory kit
- Meets IEC 60529 (IP68) standards for above and below-grade applications

Benefits:

- Lower capital expense by using the same strand of cable for longer distances, reducing splitter cabinet requirements, and through split ratio flexibility
- Save resources & downtime with simplified network reconfigurations
- Faster & more accurate installations due to easy fiber access without disruption of other fibers
- Improve inventory management as one form factor suits a variety of applications
- Diversify supply chains and reduce lead times with standard drop cable and field-installable connector compatibility

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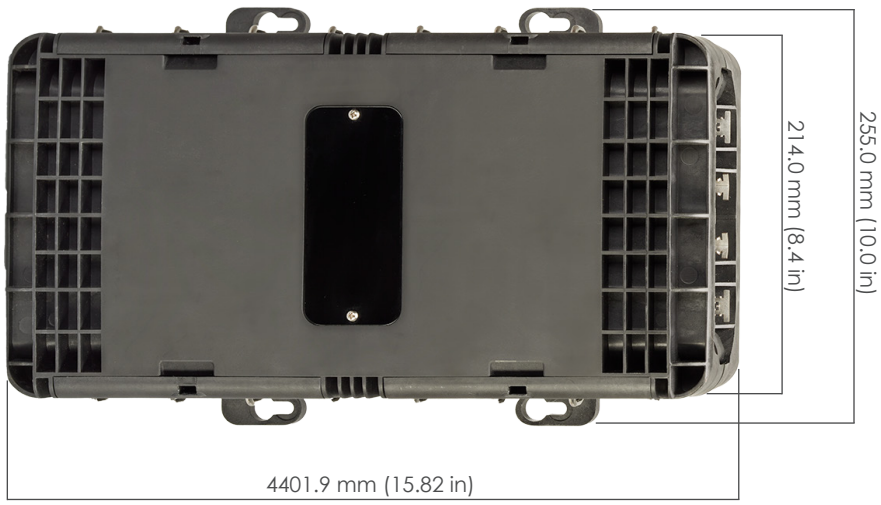
Applications:

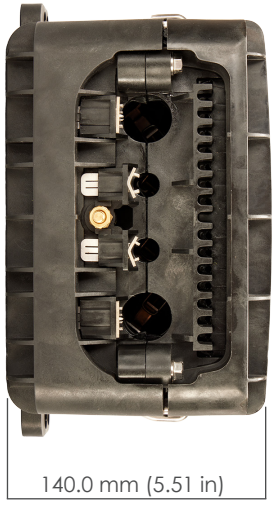
- FTTx networks where mid-span splicing is required for new customer adds
- FTTx networks with distributed split architectures
- Rural FTTx deployments where subscriber density is significantly lower than in urban areas
- FTTx pathways that have individual or small clusters of subscribers spread out over long distances

SPECIFICATIONS

Attributes	Specifications	
	Inline Splice	**Butt Splice**
Cable Entry/Exit Ports	Feeder (x4): 13~25mm diameter Branch (x4): 3~12mm diameter	Feeder (x2): 13~25mm diameter Branch (x2): 3~12mm diameter
Splice Capacity	Up to 96 single fiber (loose-tube) splices	Up to 144 single fiber (loose-tube) splices
Drop Ports Capacity	16 ports	
Adapter Type(s)	SC/APC & SC/UPC LC/APC & LC/UPC (duplex)	
Supported Drop Cables	Round: 3.0mm and 4.8mm Standard Flat: 8.1 x 4.6mm Micro Flat: 5.4mm x 3.0mm	
Outer Dimensions	15.8" x 8.4" x 5.5"	
Operating Temperature	-40°C to +65°C	
Mounting Options	Pole, Wall, Strand, Pedestal, Handhole	
Color	Black	
Functional Options	Loose-tube Splice, PLC Splitters, & Engineered TAPs	
Standards	IEC 60529 (IP68)	

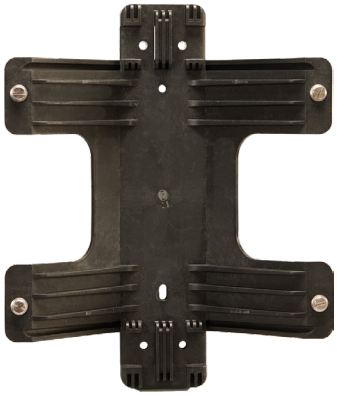
PRODUCT DIMENSIONS:





ORDERING INFORMATION: ACCESSORY PARTS

Model Code	Description
PMMTMP	MMT mount bracket for pole or wall
PMMTMC	MMT mount bracket for cable strand
PMMTGNDKIT	MMT grounding kit



Mount bracket for pole or wall

ORDERING INFORMATION: MMT SPLICE TERMINAL

Ideal for centralized architectures where direct splicing of feeder cable to pre-connectorized drops is designed. Can be configured without pre-installed adapters and pigtails for splice only applications. Multiple branch ports standard in every terminal.

Installed Pigtails	
Code	Code Description
2	2 Ports
4	4 Ports
8	8 Ports
L	12 Ports
P	16 Ports
X	None (Splice Only)

Adapters Type	
Code	Code Description
1	LC/UPC
2	LC/APC
3	SC/UPC
4	SC/APC
X	None (Splice Only)

Drop Cable Ports	
Code	Code Description
1	3.0mm and 4.8mm Round 8.4mm x 4.6mm Standard Flat
2	4.8mm Round 8.4mm x 4.6mm Standard Flat
3	5.4mm x 3.0mm Micro Flat

Feeder/Branch Ports	
Code*	Code Description
B	Bottom Only (Butt Splice)
T	Top & Bottom (Inline or Butt Splice)

**Must Choose "B" for 144F or "T" for 96F*

Max Splice Capacity	
Code*	Code Description
096	96 Fibers
144	144 Fibers

**Must Choose "096" for Top & Bottom (Inline or Butt Splice or "144" for Bottom Only (Butt Splice)*

ORDERING INFORMATION: MMT WITH PLC SPLITTERS

Ideal for distributed split architectures. Multiple branch ports standard in every terminal. Splitter module trays can be easily replaced in the field for network adds or changes.

P M M S ☐ ☐ X ☐ ☐ ☐ ☐ ☐

Installed Adapters	
Code*	Code Description
2	2 Port
4	4 Ports
8	8 Ports
L	12 Ports
P	16 Ports

**Must choose the proper installed adapters and splitter module configuration*

Adapters Type	
Code	Code Description
1	LC/UPC
2	LC/APC
3	SC/UPC
4	SC/APC

Drop Cable Ports	
Code	Code Description
1	3.0mm and 4.8mm Round 8.4mm x 4.6mm Standard Flat
2	4.8mm Round 8.4mm x 4.6mm Standard Flat
3	5.4mm x 3.0mm Micro Flat

Feeder/Branch Ports	
Code	Code Description
B	Bottom Only (Butt Splice)
T	Top & Bottom (Inline or Butt Splice)

Splitter Module Configuration		
Code*	Code Description	Installed Adapter/ Pigtail Code
102	1 Set of 1x2	2
104	1 Set of 1x4	4
204	2 Set of 1x4	8
108	1 Set of 1x8	
304	3 Set of 1x4	L
404	4 Set of 1x4	P
208	2 Set of 1x8	
116	1 Set of 1x16	

**Must choose the proper installed adapters and splitter module configuration*

SPLITTER SPECIFICATIONS

Attributes		Specification		
Operating Wavelength	1260~1620nm			
Configuration	1x2	1x4	1x8	1x16
Insertion Loss	≤4.0 dB	≤ 7.2 dB	≤ 10.9 dB	≤ 14.3 dB
Uniformity	≤0.8 dB	≤1.0 dB	≤1.0 dB	≤1.4 dB
Polarization Dependent Loss	≤0.2dB	≤0.2 dB	≤0.3 dB	≤0.3 dB
Return Loss	≥50 dB			
Optical Power Handling	≤ 300 mW			
Standards	GR-1209/GR-1221			

ORDERING INFORMATION: MMT WITH ENGINEERED TAPS

Ideal for cascaded tap architecture. Helps manage costs in rural or low-density FTTx deployments. Each TAP terminal is labeled to identify dB loss and number of drops.

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Installed Adapters	
Code	Code Description
2	2 Ports (use for TAP Code 01 to 11)
4	4 Ports (use for TAP Code 12 to 20)
8	8 Ports (use for TAP Code 21 to 28)

Adapters Type	
Code	Code Description
1	LC/UPC
2	LC/APC
3	SC/UPC
4	SC/APC

Drop Cable Ports	
Code	Code Description
1	3.0mm and 4.8mm Round 8.4mm x 4.6mm Standard Flat
2	4.8mm Round 8.4mm x 4.6mm Standard Flat
3	5.4mm x 3.0mm Micro Flat

Feeder/Branch Ports	
Code	Code Description
B	Bottom Only (Butt Splice)
T	Top & Bottom (Inline or Butt Splice)

TAP Splitter Type	
Code	Code Description
_ _	2 Digit Code - See Installed Adapters Code Description for code detail

Engineered TAP Labeling
3-digit code

___ ___ ___

TAP Loss (in dBs)

# of Ports (2,4, or 8)

ORDERING INFORMATION: TAPS

Code	TAP Value	TAP Module Description
Code for Modules with 2-Drop Ports		
01	21dB	99/1 TAP with 1X2 Splitter Drop Ports
02	19dB	98/2 TAP with 1X2 Splitter Drop Ports
03	17dB	98/2 TAP with 1X2 Splitter Drop Ports
04	15dB	95/5 TAP with 1X2 Splitter Drop Ports
05	14dB	94/6 TAP with 1X2 Splitter Drop Ports
06	12dB	90/10 TAP with 1X2 Splitter Drop Ports
07	10dB	80/20 TAP with 1X2 Splitter Drop Ports
08	8dB	75/25 TAP with 1X2 Splitter Drop Ports
09	7dB	70/30 TAP with 1X2 Splitter Drop Ports
10	5dB	60/40 TAP with 1X2 Splitter Drop Ports
11	4dB	1X2 Splitter Drop Ports - Terminator TAP
Code for Modules with 4-Drop Ports		
12	21dB	99/1 TAP with 1X4 Splitter Drop Ports
13	19dB	98/2 TAP with 1X4 Splitter Drop Ports
14	17dB	97/3 TAP with 1X4 Splitter Drop Ports
15	15dB	95/5 TAP with 1X4 Splitter Drop Ports
16	13dB	93/7 TAP with 1X4 Splitter Drop Ports
17	11dB	90/10 TAP with 1X4 Splitter Drop Ports
18	10dB	85/15 TAP with 1X4 Splitter Drop Ports
19	9dB	80/20 TAP with 1X4 Splitter Drop Ports
20	7dB	1/4 Splitter Drop Ports - Terminator TAP
Code for Modules with 8-Drop Ports		
21	22dB	99.5/0.5 TAP with 1X8 Splitter Drop Ports
22	21db	99/1 TAP with 1X8 Splitter Drop Ports
23	19dB	98/2 TAP with 1X8 Splitter Drop Ports
24	17dB	97/3 TAP with 1X8 Splitter Drop Ports
25	15dB	95/5 TAP with 1X8 Splitter Drop Ports
26	14dB	94/6 TAP with 1X8 Splitter Drop Ports
27	12dB	90/10 TAP with 1X8 Splitter Drop Ports
28	11dB	1X8 Splitter Drop Ports – Terminator TAP

OPTICAL SPECIFICATIONS

Attributes	Unit	Specification	
Operating Wavelength Range	nm	1310±40 and 1550±40	
Return Loss	dB	≥ 50	
Directivity	dB	≥ 55	
PDL	dB	≤ 0.20	
Insertion Loss for 2-Port TAPs		Signal Port	Drop Ports
21dB	dB	≤0.4	19.5~21.5
19dB	dB	≤0.5	16.5~18.5
17dB	dB	≤0.7	16.0~18.0
15dB	dB	≤0.8	14.2~15.8
14dB	dB	≤1.1	12.0~14.0
12dB	dB	≤1.3	10.5~12.5
10dB	dB	≤2.1	8.5~10.5
8dB	dB	≤2.7	7.5~9.5
7dB	dB	≤4.1	6.2~7.8
5dB	dB	≤6.0	4.2~5.8
4dB	dB	-	≤4.0
Insertion Loss for 4-Port TAPs		Signal Port	Drop Ports
21dB	dB	≤0.6	18.5~20.5
19dB	dB	≤0.8	16.5~18.5
17db	dB	≤1.0	15.5~17.5
15dB	dB	≤1.3	14.2~15.8
13dB	dB	≤2.0	12.2~13.8
11dB	dB	≤2.7	10.2~11.8
10dB	dB	≤4.1	12.8~14.4
9dB	dB	≤6.0	11.0~12.8
7dB	dB	-	6.2~7.8
Insertion Loss for 8-Port TAPs		Signal Port	Drop Ports
22dB	dB	≤0.8	20.0~22.0
21dB	dB	≤1.0	18.5~21.5
19dB	dB	≤1.3	16.5~18.5
17dB	dB	≤2.0	15.0~16.8
15dB	dB	≤2.7	14.2~15.8
14dB	dB	≤4.1	12.8~14.4
12dB	dB	≤6.0	11.0~12.8
11dB	dB	-	9.5~10.7

Note: Insertion loss includes WDL, TDL and PDL but excludes connector losses (≤1.0 dB)

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