OSP Terminal with Engineered TAPs

Description:

The Go!Foton OSP Standard Terminal with Engineered TAPs integrates fiber optic tap splitters, drop ports connectors, and mid-span splicing into a small weather-tight enclosure. This compact and easy-to-access terminal enables fast installation of subscriber connections with guaranteed quality and performance. It is the ideal solution for fiber-to-the-home deployments in low- to medium-density and rural FTTx networks.
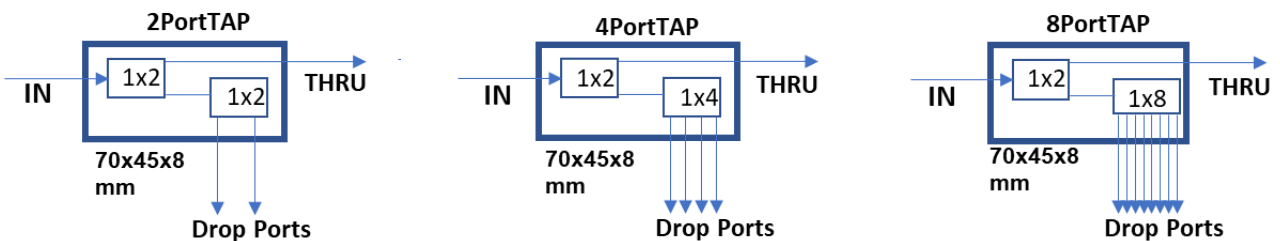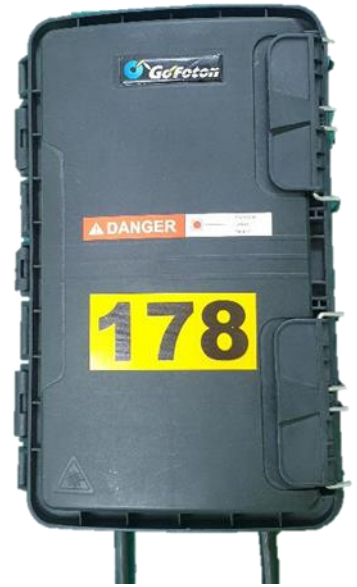
Features:

- Available in 2-port, 4-port, and 8-port TAP configurations
- Compact size for concealed applications and tight spaces
- IP65 rated and UV resistant enclosure for OSP deployments
- Pre-connectorized drop ports, TAP splitters, and splice tray are pre-installed for immediate deployment
- Uses standard SC or LC pre-connectorized or field terminated drop cables
- Buckle-lock design for tool-less access and secure installation
- Strand, pole, or wall mountable (mounting kits included)

Benefits:

- Simple deployment and easy maintenance for midspan drops to customers
- Ready to turn-up service using standard connector drop cables
- Lower overall cost to deploy with less fiber and smaller fiber count cables for rural, low to medium density areas

Applications:

- 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

2PortTAP

IN → 1x2 → 1x2 → THRU

70x45x8 mm

Drop Ports

4PortTAP

IN → 1x2 → 1x4 → THRU

70x45x8 mm

Drop Ports

8PortTAP

IN → 1x2 → 1x8 → THRU

70x45x8 mm

Drop Ports

OSP Terminal with Engineered TAPs

Specifications:

PARAMETER	SPECIFICATION
Outer Dimensions	11.2" x 6.9" x 4.3" (285mm x 175mm x 110mm)
Feeder Cable Diameter	8 mm~18 mm
Feeder/Branch Ports	2 ports – 8~18mm round cable ports (In-Line Splice) 4 ports – 5~16mm round cable ports (Butt-Line Splice)
Number of Drop Ports	2-port, 4-port, or 8-port
Drop Cable Ports	16 pcs – 3mm Round Drop Cable - or - 8 pcs – Flat Drop Cable
Adapter Type(s)	SC/APC or SC/UPC simplex LC/APC or LC/UPC duplex
Maximum Splice Count for Feeder	24 fibers (single fusion splice)
Mounting Options	Strand, Pole, and Wall Mount (hardware included)
Color	Black
Weight	1.7 kg
Dimensions	11.2" x 6.9" x 4.3" (285mm x 175mm x 110mm)
Operating Temperature	-40°C to +65°C
Classification	IP65 and GR-771

Product Dimensions:

175 mm

110 mm

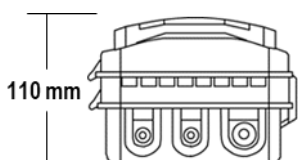285 mm

110 mm
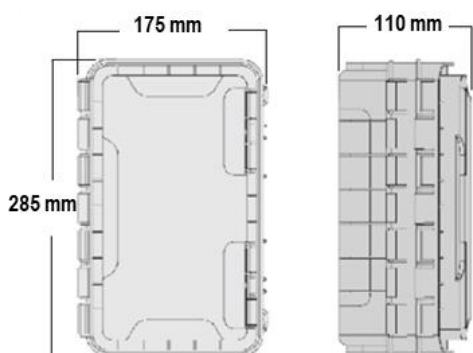
Expanded Product Details:

Top Layer:
TAP Ports
for Drop Cable
Connections

Middle Layer:
Splice Tray for
Feeder Fiber
Integration

Bottom Layer:
Storage Area for
Feeder Fiber
Slack Management

In-Line Splice
Midspan Application

Butt-Line Splice
Midspan Application

OSP Terminal with Engineered TAPs

Mounting Options:

Strand Mount Bracket
(included)

Wall/Pole Mount Bracket
(included)

Ordering Guide:

O T T S ☐ ☐ ☐☐ ☐ ☐ ☐☐☐ ☐☐☐

PRODUCT FAMILY CODE	
Code	Description
O	OSP

PRODUCT TYPE	
Code	Description
TT	Splitter Terminal

TERMINAL SIZE	
Code	Description
S	Standard

NUMBER OF PORTS	
Code	Description
2	2
4	4
8	8

ADAPTER TYPE	
Code	Description
1	LC / UPC (Blue) - Duplex
2	LC / APC (Green) - Duplex
3	SC / UPC (Blue) - Simplex
4	SC / APC (Green) - Simplex

TAP SPLITTER TYPE	
Code	Description
– –	2 Digit Numerical Code
	Refer to TAP Ordering Guide

TAP SPLITTER ORDERING GUIDE ON NEXT PAGE

FEEDER CABLE PORTS	
Code	Description
B	Bottom Only (Butt-Line Only)
T	Top & Bottom (In-Line or Butt-Line)

DROP CABLE PORTS	
Code	Description
F	Standard Flat (8.4 x 4.6mm)
R	Standard Round (3mm) or Micro Flat (5.4 x 3.0mm)

CUSTOMER CODE	
Code	Description
_ _ _	Customer Code (3 Letters)

PRODUCT SERIES	
Code	Description
_ _ _	Product Series (3 Numeric)

Example Ordering Code:

Order Code: OTTS2408BR
Description: OSP STANDARD TERMINAL BUTT SPLICE 2-PORT 8DB TAP SC/APC FOR ROUND DROP CABLE

OSP Terminal with Engineered TAPs

TAP Ordering Guide:

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

OSP Terminal with Engineered TAPs TAPS

Optical Specifications:

PARAMETER	UNIT	SPECIFICATIONS	
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 (THRU)**	**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 (THRU)**	**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	≤4.0	9.0~11.5
9dB	dB	≤6.0	8.0~9.8
7dB	dB	-	6.2~7.8
Insertion Loss for 8-Port TAPs		**Signal Port (THRU)**	**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)