COMMSCOPE®

JCOM MDU TAP SCUPC
Product Datasheet

PDS1182 | Revision: 1   12 March 2024

Product Description

CommScope MDU Terminal Access Point (TAP) terminals provide a compact, modular, plug and play solution for use in MDU environments, providing a fully connectorized solution with the repeatable concept of the TAP technology, to greatly reduce cost and speed with simple and fast deployment.

This solution incorporates two significant types, one with an unbalanced splitter (in various ratios) associated to a balanced splitter (full TAP), and one with a symmetrical optical splitter only (terminating TAP).

CommScope's MDU TAP is a mini optical distribution unit for use within internal networks. Featuring input, output and subscriber ports, all ports incorporate a built-in SC/UPC inner shuttered connector for laser safety protection.

Features

- Extremely small form reduces space requirements needed within the building.
- Different TAP ratio's allow networks to be optimized to reduce loss and improve reach.
- Pre-installed splitters protected and sealed.
- Suitable for in-building environment.
- Flexible mounting using either screws or magnet.
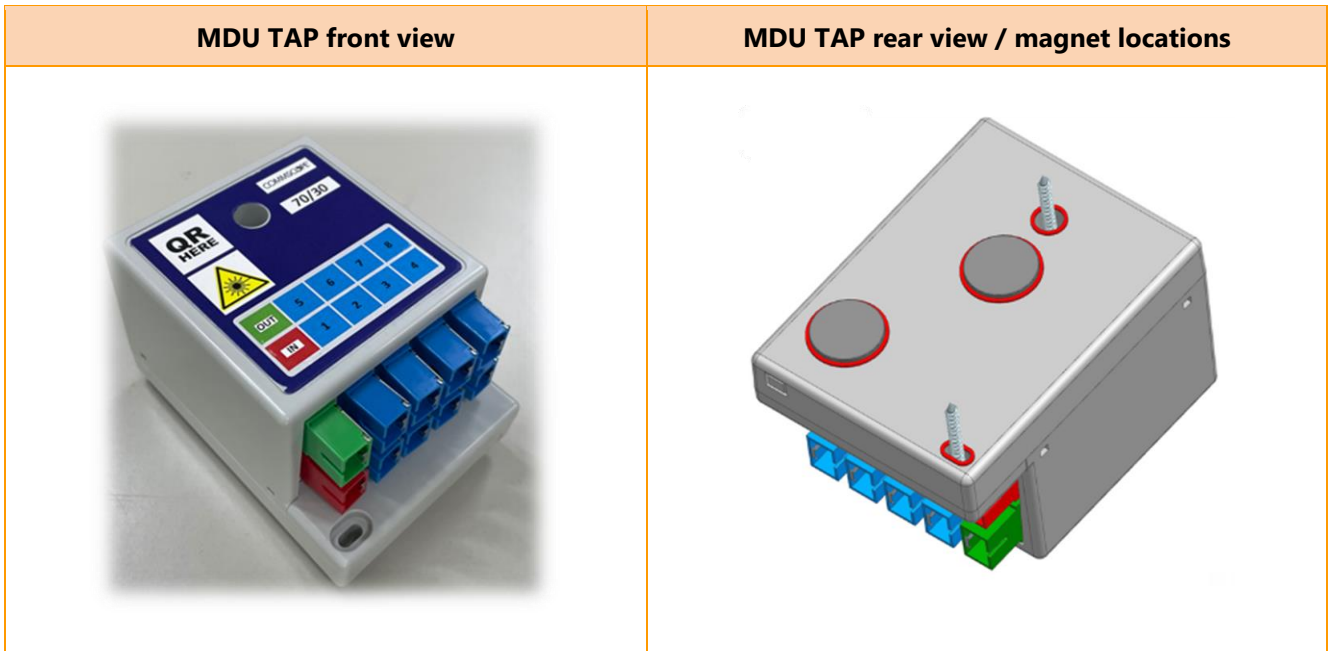
Benefits

- Utilizes inner shuttered SC/UPC adapters providing a safe working environment.

- Colour-coded label for identification of TAP ratio with QR code.

- Optional cable attachment for strength relief and additional cover for the adapters/connectors.

- Plug and play solution allows for reduced installation skill requirements and greatly improves speed of installation.
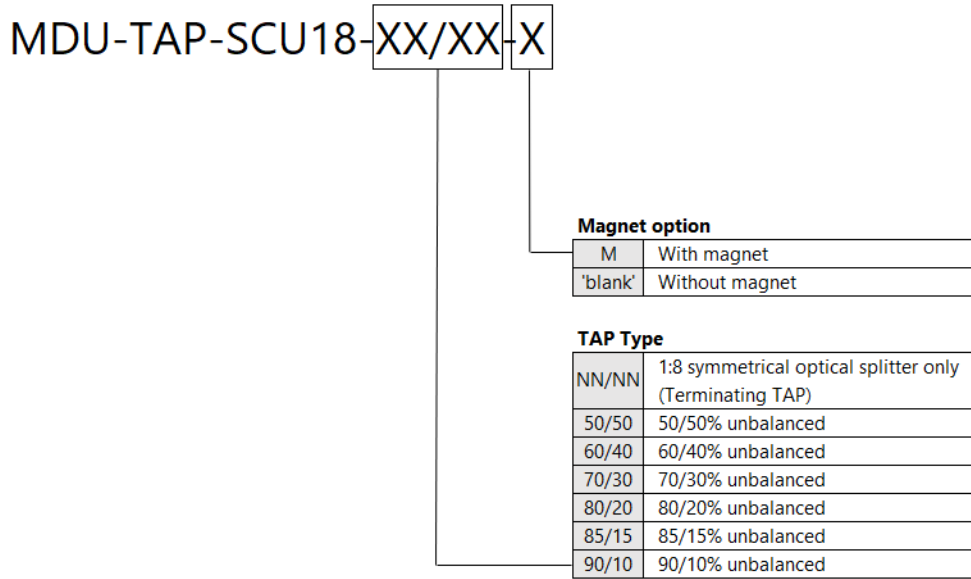
Specifications

Parameter		Value
General Specifications		
Distribution type:		TAP
Application:		Indoor / Wall
Connector type:		SC/UPC
Connector Return Loss (dB):		≥50
Wavelength range (nm):		1260 to 1650
Full TAP	Port quantity:	10 (1 input port, 1 thru port, 8 subscriber ports)
	Type:	1:2 unbalanced + 1:8 symmetrical
	Configurations:	1:2 optical splitter with 90/10%, 85/15%, 80/20%, 70/30%, 60/40%, 50/50%
Terminating TAP	Port quantity:	9 (1 input port, 8 subscriber ports)
	Type:	1:8 symmetrical only
	Configurations:	1:8 symmetrical optical splitter only (terminating TAP)
Colour:		RAL 9019 (Gray)
Dimensions (H x W x D) (mm):		100 x 75 x 62
Material Specifications		
Material Type:		ABS
Magnet specifications		
Quantity per MDU TAP:		2
Type:		Neodymium
Height (mm):		2.0
Diameter (mm):		20
Magnetisation direction:		Axial
Magnetisation quality:		N45
Environmental Specifications		
Environment Type:		Indoor
IP Rating:		IP40
Flammability:		UL94-V0
Operational temperature range (°C):		-20 to +70

Optical Performance

Identification Colour	TAP/Thru Split Ratio%	Drop Port Attenuation (IL)		Thru Port Attenuation (IL)
		Median (dB)	Max (dB)	Max (dB)
Violet	Terminating	9.50	10.50	NA
Orange	50/50	13.90	14.90	4.10
Red	60/40	14.32	15.32	2.73
Blue	70/30	15.51	16.51	2.22
White	80/20	17.25	18.25	1.25
Yellow	85/15	19.79	20.79	1.13
Green	90/10	20.54	21.54	0.73

MDU TAP front view	MDU TAP rear view / magnet locations

Ordering Information

MDU-TAP-SCU18-XX/XX-X

Magnet option

M	With magnet
'blank'	Without magnet

TAP Type

NN/NN	1:8 symmetrical optical splitter only (Terminating TAP)
50/50	50/50% unbalanced
60/40	60/40% unbalanced
70/30	70/30% unbalanced
80/20	80/20% unbalanced
85/15	85/15% unbalanced
90/10	90/10% unbalanced

Optional Accessories

Material ID	Description
MDU-TAP-18-CAB	Cable Attachment Bracket
MDU-TAP-18-COV	Cover for Adapters

MDU-TAP-18-CAB

MDU-TAP-18-COV

Schematic of an optical tap architecture with a multi-port hub and 2 types of MDU-TAP units
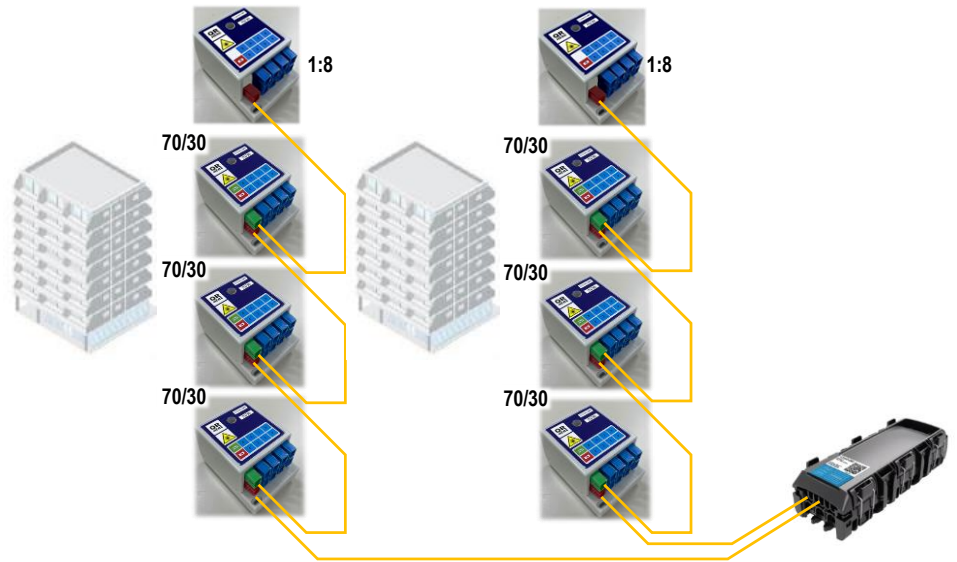
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with game-changing ideas and ground-breaking discoveries that

spark profound human achievement. We collaborate with our

customers and partners to design, create and build the world's most

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