

Comint Systems and Solutions Pvt Ltd (CSSPL) has established excellent manufacturing facilities with committed team of qualified and experienced technical work force for indigenous design, development and manufacturing of products from concept to completion in the areas of Network Security, IT & Telecom, Industrial and Defence Electronics.

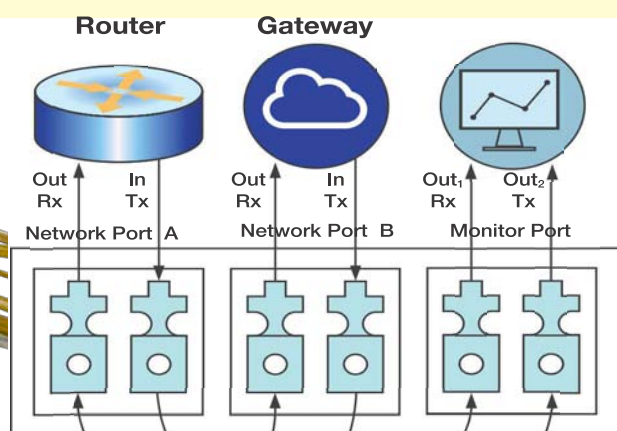
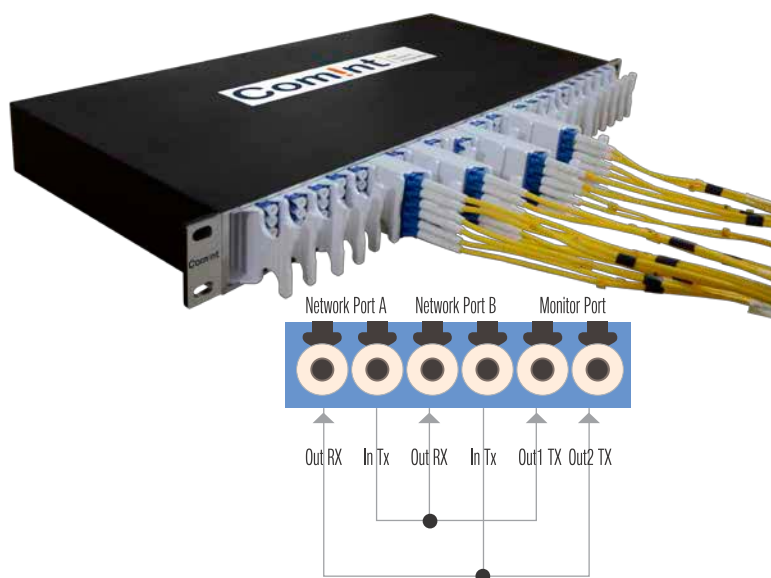
CSSPL offers Optical Test Access Point (TAPs) which allows you to access and monitor your network traffic at rates of 100 Mbps, 1 Gbps, 10 Gbps, 40 Gbps, 100Gbps and 400 Gbps, optical split-ratios of 80/20, 70/30 and 50/50. The network links can be multimode (850 / 950 / 1300nm) or Singlemode (1260 ~ 1620 nm).

OPTICAL TAPS



FEATURES :

- ◆ Passive operation
- ◆ Provide 100% full-duplex traffic visibility
- ◆ 100 Mbps, 1, 10, 40, 100 and 400 Gbps fiber support
- ◆ Flexible options for single mode or multimode fiber
- ◆ LC (Standard) and MPT / MPO connector options
- ◆ Plug and play easy installation, no configuration, no power source required.



OPTICAL TAPS

Product Specifications

Fiber Type	Singlemode : OS1/OS2 Multimode : OM1/OM2/OM3/OM4/OM5			
Split Ratio	50/50, 70/30, 80/20, 90/10, 33 (1 x 3 copy), 25 (1 x 4 copy) (Different split ratios can be accommodated upon request)			
Wavelength	Singlemode : 1260 ~ 1620 nm Multimode : 850/950/1300nm			
Speed Support	100 Mbps, 1 Gbps, 10 Gbps, 40 Gbps, 100Gbps and 400 Gbps			
Connectors	LC			
Max Density on 1RU	24 Taps, 12 (Multicopy Taps).			
Insertion Loss	Split Ratio	50/50	70/30	80/20
	Max. Insertion loss (network Port) SM (dB)	3.40 ± 0.15 dB	2.05 ± 0.15 dB	1.54 ± 0.15 dB
	Max. Insertion Loss (Monitor Port) SM (dB)	3.75 ± 0.20 dB	5.91 ± 0.20 dB	7.62 ± 0.20 dB
Return Loss	Split Ratio	50/50	70/30	80/20
	Return loss SM (dB)	≥50dB	≥50dB	≥50dB
Directivity	Split Ratio	50/50	70/30	80/20
	Directivity SM (dB)	≥55dB	≥55dB	≥55dB
PDL (Polarization Dependent Loss)	Split Ratio	50/50	70/30	80/20
	PDL SM (dB)	≤0.20dB	≤0.20dB	≤0.20dB
Mechanical TAP dimensions	42mm(H) x 230 mm(L) x 17 mm(W)			
Operating Temperature	0°C to 55°C			
Storage temperature	-10° C to 70°C			
Relative Humidity	95% max , Non condensing			
Certifications	ROHS			

ORDERING INFORMATION

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CSSPL
Optical
Tap

No of Links Supported:
1 – Single Taps
2 – Two Taps

Speed:
400 – 400G
100 – 100G
10 – 10G

Fiber Type:
OS2 –Singlemode OS2
OM3 – Multimode OM3
OM4 – Multimode OM4

No of Links Supported:
1 – Single Taps
2 – Two Taps

Split Ratio (Network)
50 – 50: 50
70 – 70 : 30
80 – 80 : 20
33 – 33: 33 : 33 (Multicopy)
25 – 25 : 25 : 25 : 25 (Multicopy)

Link Type & Connector
DX-LC : Duplex Link – LC Connector
DX-SC : Duplex Link – SC Connector
SX-LC : Simplex Link LC Connector
SX-SC : Simplex Link SC Connector

CSSOT

**FIBER
TYPE**

**NO OF LINKS
SUPPORTED**

**NO OF
COPY**

**LINK TYPE &
CONNECTOR**

SPEED

**SPLIT
RATIO**

CSSPL
Optical
Tap

1 – Single Taps
2 – Two Taps

OS2 –Singlemode OS2
OM3 – Multimode OM3
OM4 – Multimode OM4

1 - Single Copy Tap
2 - Two Copy Tap
3 - Three Copy Tap

400 – 400G
100 – 100G
10 – 10G

50 – 50: 50
70 – 70 : 30
80 – 80 : 20
33 – 33: 33 : 33 (Multicopy)
25 – 25 : 25 : 25 : 25 (Multicopy)

DX-LC : Duplex Link – LC Connector
DX-SC : Duplex Link – SC Connector
SX-LC : Simplex Link LC Connector
SX-SC : Simplex Link SC Connector

OPTICAL TAPS

Product Specifications – Multi Copy TAPs

Fiber Type	Singlemode: OS1/OS2 Multimode: OM1/OM2/OM3/OM4/OM5		
Split Ratio	33.3 (1 x 3 copy), 25 (1 x 4 copy)		
Wavelength	Singlemode : 1260 ~ 1620 nm Multimode : 850/950/1300nm		
Speed Support	100 Mbps, 1 Gbps, 10 Gbps, 40 Gbps, 100Gbps and 400 Gbps		
Connectors	LC		
Max Density on 1RU	12		
Insertion Loss	Split Ratio	33.3	25
	Max. Insertion loss (network Port) SM (dB)	5.5 ± 0.20 dB	7.8 ± 0.20 dB
	Max. Insertion Loss (Monitor Port) SM (dB)	4.8 ± 0.20 dB	7.28 ± 0.20 dB
Return Loss	Split Ratio	33.3	25
	Return loss SM (dB)	≥50dB	≥50dB
Directivity	Split Ratio	33.3	25
	Directivity SM (dB)	≥55dB	≥55dB
PDL (Polarization Dependent Loss)	Split Ratio	33.3	25
	PDL SM (dB)	≤0.25dB	≤0.25dB
Mechanical TAP dimensions	42 mm(H) x 214mm (L) x 34mm (W)		
Operating Temperature	0°C to 55°C		
Storage temperature	-10°C to 70°C		
Relative Humidity	95% max , non condensing		
Certifications	ROHS		

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