

# ApconTap™ Specifications

## PASSIVE NETWORK TAPS



### APCONTAP MODULES

ApconTap™ simplifies network monitoring and security efforts with failsafe passive network TAPs. These TAPs capture network traffic under all conditions without needing any power. Each ApconTap model supports common data center optical fiber standards with split light ratio options. APCON offers short-range, long-range, and bidirectional models to accommodate requirements for high-density, next-generation data center deployments with up to 400G of throughput.



ApconTap modules with LC and MPO/MTP port types (ACI-0500-550 / ACI-0500-950 / ACI-0640-550 / ACI-0540-550).

Part Number	Network Ports	TAP Ports	Port Type	Light Ratio	Wavelength	Fiber Size	Mode	Range
<b>1G/10G/25G SR TAP MODULES</b>								
ACI-0500-550	4 Ports	2 Ports	LC	50/50	850nm	50µm	Multimode	Short
ACI-0500-560	4 Ports	2 Ports	LC	60/40	850nm	50µm	Multimode	Short
ACI-0500-570	4 Ports	2 Ports	LC	70/30	850nm	50µm	Multimode	Short
ACI-0500-650	4 Ports	2 Ports	LC	50/50	850nm	62.5µm	Multimode	Short
ACI-0500-660	4 Ports	2 Ports	LC	60/40	850nm	62.5µm	Multimode	Short
ACI-0500-670	4 Ports	2 Ports	LC	70/30	850nm	62.5µm	Multimode	Short
<b>1G/10G/25G LR TAP MODULES</b>								
ACI-0500-950	4 Ports	2 Ports	LC	50/50	1310/1550nm	9µm	Singlemode	Long
ACI-0500-960	4 Ports	2 Ports	LC	60/40	1310/1550nm	9µm	Singlemode	Long
ACI-0500-970	4 Ports	2 Ports	LC	70/30	1310/1550nm	9µm	Singlemode	Long
<b>40G SR TAP MODULES</b>								
ACI-0540-550	2 Ports	2 Ports	MTP/MPO	50/50	850nm	50µm	Multimode	Short
ACI-0540-560	2 Ports	2 Ports	MTP/MPO	60/40	850nm	50µm	Multimode	Short
ACI-0540-570	2 Ports	2 Ports	MTP/MPO	70/30	850nm	50µm	Multimode	Short
<b>40G LR TAP MODULES</b>								
ACI-0540-950	4 Ports	2 Ports	LC	50/50	1310/1550nm	9µm	Singlemode	Long
ACI-0540-960	4 Ports	2 Ports	LC	60/40	1310/1550nm	9µm	Singlemode	Long
ACI-0540-970	4 Ports	2 Ports	LC	70/30	1310/1550nm	9µm	Singlemode	Long
<b>40G BIDI SR TAP MODULES</b>								
ACI-0640-550	2 Ports	2 Ports	LC/BiDi	50/50	850nm	50µm	Multimode	Short
ACI-0640-560	2 Ports	2 Ports	LC/BiDi	60/40	850nm	50µm	Multimode	Short
ACI-0640-570	2 Ports	2 Ports	LC/BiDi	70/30	850nm	50µm	Multimode	Short

## APCONTAP MODULES (CONTINUED)



ApconTap modules with LC and MPO/MTP port types (ACI-1100-550 / ACI-1000-550 / ACI-1000-950 / ACI-4000-950).

Part Number	Network Ports	TAP Ports	Port Type	Light Ratio	Wavelength	Fiber Size	Mode	Range
<b>100G SR TAP MODULES</b>								
ACI-1000-550	2 Ports	2 Ports	MTP/MPO	50/50	850nm	50µm	Multimode	Short
ACI-1000-560	2 Ports	2 Ports	MTP/MPO	60/40	850nm	50µm	Multimode	Short
ACI-1000-570	2 Ports	2 Ports	MTP/MPO	70/30	850nm	50µm	Multimode	Short
<b>100G LR TAP MODULES</b>								
ACI-1000-950	4 Ports	2 Ports	LC	50/50	1310/1550nm	9µm	Singlemode	Long
ACI-1000-960	4 Ports	2 Ports	LC	60/40	1310/1550nm	9µm	Singlemode	Long
ACI-1000-970	4 Ports	2 Ports	LC	70/30	1310/1550nm	9µm	Singlemode	Long
<b>100G BiDi SR TAP MODULES</b>								
ACI-1100-550	2 Ports	2 Ports	LC/BiDi	50/50	850nm	50µm	Multimode	Short
ACI-1100-560	2 Ports	2 Ports	LC/BiDi	60/40	850nm	50µm	Multimode	Short
ACI-1100-570	2 Ports	2 Ports	LC/BiDi	70/30	850nm	50µm	Multimode	Short
<b>100G SR TAP MODULES</b>								
ACI-1200-550	4 Ports	2 Ports	LC	50/50	850nm	50µm	Multimode	Short
ACI-1200-560	4 Ports	2 Ports	LC	60/40	850nm	50µm	Multimode	Short
ACI-1200-570	4 Ports	2 Ports	LC	70/30	850nm	50µm	Multimode	Short
<b>400G LR TAP MODULES</b>								
ACI-4000-950	4 Ports	2 Ports	LC	50/50	1310/1550nm	9µm	Singlemode	Long
ACI-4000-960	4 Ports	2 Ports	LC	60/40	1310/1550nm	9µm	Singlemode	Long
ACI-4000-970	4 Ports	2 Ports	LC	70/30	1310/1550nm	9µm	Singlemode	Long

## APCONTAP CHASSIS

ApconTap™ modules are placed into chassis designed to fit in the same data center rack near any APCON intelligent network monitoring switch. These chassis do not require power to operate and come in two sizes (1/2RU and 1RU) and two port types (LC and MPO/MTP).

Part Number	Size	Module Slots	Port Type
<b>APCONTAP CHASSIS</b>			
ACI-0500-000	1/2RU	4-Modules	LC
ACI-0500-001	1RU	8-Modules	LC
ACI-0540-000	1/2RU	3-Modules	MPO/MTP
ACI-0540-001	1RU	6-Modules	MPO/MTP



ApconTap Chassis with modules (ACI-0500-000 / ACI-0500-001 / ACI-0540-000 / ACI-0540-001).

## APCONTAP PASSIVE OPTICAL TAP SPECIFICATIONS

Part Number	Optical Fiber	Light Ratio	Pass Through (Light Loss)	TAP (Light Loss)
ACI-0500-550	850nm 50µm MMF LC	50/50	-3.90 dB	-3.90 dB
ACI-0500-560	850nm 50µm MMF LC	60/40	-3.00 dB	-4.90 dB
ACI-0500-570	850nm 50µm MMF LC	70/30	-2.30 dB	-6.20 dB
ACI-0500-650	850nm 62.5µm MMF LC	50/50	-4.10 dB	-4.10 dB
ACI-0500-660	850nm 62.5µm MMF LC	60/40	-3.30 dB	-5.20 dB
ACI-0500-670	850nm 62.5µm MMF LC	70/30	-2.70 dB	-6.60 dB
ACI-0500-950	1310/1550nm 9µm SMF LC	50/50	-3.57 dB	-3.57 dB
ACI-0500-960	1310/1550nm 9µm SMF LC	60/40	-2.72 dB	-4.64 dB
ACI-0500-970	1310/1550nm 9µm SMF LC	70/30	-2.00 dB	-6.05 dB
ACI-0540-550	850nm 50µm MMF MTP	50/50	-4.50 dB	-4.50 dB
ACI-0540-560	850nm 50µm MMF MTP	60/40	-3.60 dB	-5.50 dB
ACI-0540-570	850nm 50µm MMF MTP	70/30	-2.90 dB	-6.80 dB
ACI-0540-950	1310/1550nm 9µm SMF LC	50/50	-3.57 dB	-3.57 dB
ACI-0540-960	1310/1550nm 9µm SMF LC	60/40	-2.72 dB	-4.64 dB
ACI-0540-970	1310/1550nm 9µm SMF LC	70/30	-2.00 dB	-6.05 dB
ACI-0640-550	BiDi 850nm 50µm MMF LC	50/50	-3.90 dB	-3.90 dB
ACI-0640-560	BiDi 850nm 50µm MMF LC	60/40	-3.00 dB	-4.90 dB
ACI-0640-570	BiDi 850nm 50µm MMF LC	70/30	-2.30 dB	-6.20 dB
ACI-1000-550	850nm 50µ MMF MTP	50/50	-4.50 dB	-4.50 dB
ACI-1000-560	850nm 50µ MMF MTP	60/40	-3.60 dB	-5.50 dB
ACI-1000-570	850nm 50µ MMF MTP	70/30	-2.90 dB	-6.80 dB
ACI-1000-950	1310/1550nm 9µm SMF LC	50/50	-3.57 dB	-3.57 dB
ACI-1000-960	1310/1550nm 9µm SMF LC	60/40	-2.72 dB	-4.64 dB
ACI-1000-970	1310/1550nm 9µm SMF LC	70/30	-2.00 dB	-6.05 dB
ACI-1100-550	BiDi 850nm 50µm MMF LC	50/50	-3.90 dB	-3.90 dB
ACI-1100-560	BiDi 850nm 50µm MMF LC	60/40	-3.00 dB	-4.90 dB
ACI-1100-570	BiDi 850nm 50µm MMF LC	70/30	-2.30 dB	-6.20 dB
ACI-1200-550	850nm 50µ MMF MTP	50/50	-3.90 dB	-3.90 dB
ACI-1200-560	850nm 50µ MMF MTP	60/40	-3.00 dB	-4.90 dB
ACI-1200-570	850nm 50µ MMF MTP	70/30	-2.30 dB	-6.20 dB
ACI-4000-950	1310/1550nm 9µm SMF LC	50/50	-3.57 dB	-3.57 dB
ACI-4000-960	1310/1550nm 9µm SMF LC	60/40	-2.72 dB	-4.64 dB
ACI-4000-970	1310/1550nm 9µm SMF LC	70/30	-2.00 dB	-6.05 dB