

I-HUB

Optical Switch Modules

ATX's I-HUB-OS-C optical switch is a high performance dual-band switch typically used for primary to secondary redundant fiber switching.

Features

- 2x1 configuration
- Typical loss < 1.5 dB
- 1550nm and 1310nm operation
- Adjustable optical thresholds
- Input range -10 to +15 dBm



Optical Switch
(front view)

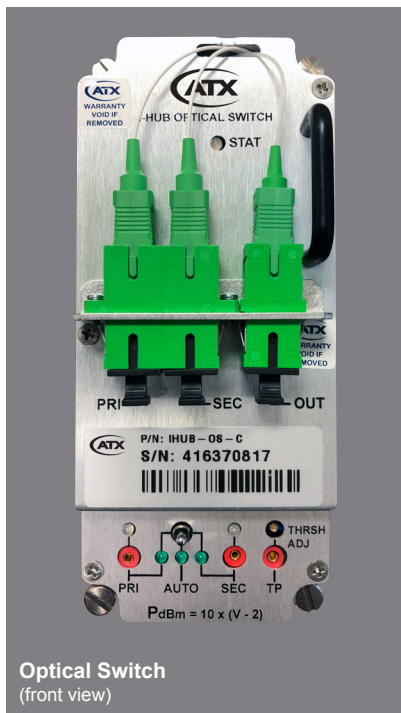
Applications

ATX's optical switch modules have been deployed for numerous applications including:

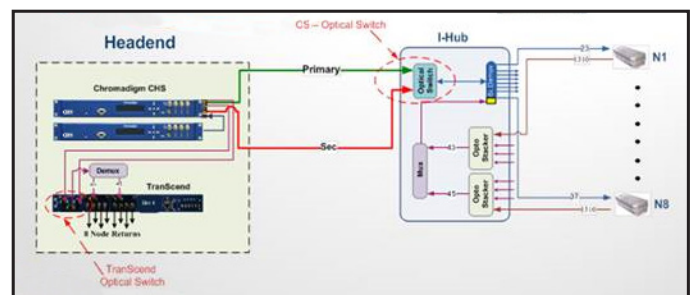
- Node segmentation
- Distribution networks
- RFoG applications
- FTTx networks

Key Benefits

- Ideal for networks with dual redundant fibers
- Handles both 1550nm and 1310nm



Optical Switch
(front view)



Block Diagram

Specifications

Optical Switch

OPTICAL INPUT		
INPUT POWER	MINIMUM	-10 dBm
	TYPICAL	0 dBm
	MAXIMUM	+15 dBm
WAVELENGTH	1550nm, 1310nm	
OUTPUT POWER VARIATION OVER TEMPERATURE	± 0.2 dB	
CONNECTOR TYPE	SC/APC	
INSERTION LOSS	< 1.5 dB	
POWERING		
POWER CONSUMPTION	5W	
ENVIRONMENTAL		
OPERATING TEMPERATURE	-40°C to +65°C (-40°F to +149°F)	
STORAGE TEMPERATURE	-40°C to +85°C (-40°F to +185°F)	
HUMIDITY	Max. 85% Non-condensing	
PHYSICAL		
DIMENSIONS	5.77"H x 2.5"W x 2.07"D (14.66H x 6.35W x 5.26D cm)	
WEIGHT	0.5 lbs (0.227 kg)	

Ordering Information

Part Number	Description
IHUB-OS-C	I-HUB Direction Sensitive, 2x1 Optical Switch Module for C-Band Applications, Direction Sensitive with an Input Range of -10 dBm to +15 dBm using SC/APC Connectors in a Single-slot I-HUB Module.

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Rev. 09/18 (ANW1331)



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