Ascentac
Optical Switch 2XN
Ascentac TestMate1200

1U Rackmount 2 x N (4 to 16 Ports) Optical Switch with High Stability, Fast Switching Time & Low Crosstalk

Ascentac TestMate1200 Series, Optical Switch, is used to control and monitor the light path. It features low insertion loss, low crosstalk and low Polarization Dependent Loss (PDL). Its wavelength range is wide from 1260nm to 1650nm. This optical switch supports single mode and multimode fiber test application.

Ascentac TestMate1200 Series strengthens accurate measurements and ease automation with excellent repeatability, fast switching time and flexible interface of RJ45, RS-232 and USB. AC & DC power supply to enable dual power redundancy enhances availability.

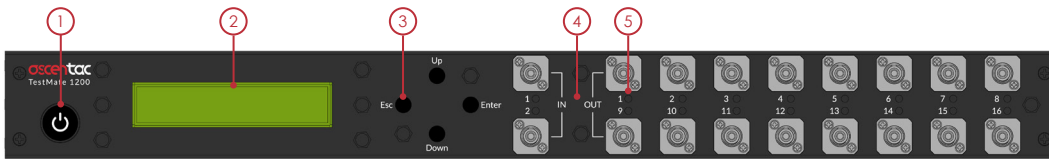The 1U-high chassis design is convenient for mounting in a standard-sized, 19''-wide rack.

Benefits

- Single mode and multimode available

- Low Insertion loss
  2x4: ≤ 1.5dB; 2x8: ≤ 2.0dB; 2x12: ≤ 2.5dB; 2x16: ≤ 2.5dB

- Low crosstalk ≥ 55dB

- Low PDL ≤ 0.3dB

- Wide wavelength range (1260nm to 1650nm)

- Excellent repeatability ≤ ±0.1

- Fast switching time

- RJ45, RS-232 & USB interface

Application

- Optical signal switching & routing

- Optical network monitoring

- Testing of fiber-optic component

Description

① Power status with LED indicator
Touch protector design to prevent unintended or accidental touch (Press power button for 2 seconds to turn on/off the power)

② Easy-to-read LCD display (IP address, current channel and related information)

③ Intuitive key for easy use
　　・Up: Up or increment
　　・Down: Down or decrement
　　・Enter: Confirm
　　・Esc: Exit or cancel

④ Optical interface
　　・IN：Input port (2-Channel)
　　・OUT：Output port (4, 8, 12 or 16-Channel, option)

⑤ Optical light path indicator
　　・Green light: Current channel
　　・Red light: Warning of abnormal status for current channel

⑥ Dual power, 1+1 redundant power
　　・AC power supply: 100 to 240V (50/60Hz)
　　・DC power supply: 36 to 72V

⑦ Fuse with UL Standard for safety

⑧ Ethernet RJ45 ,RS232 and USB interface
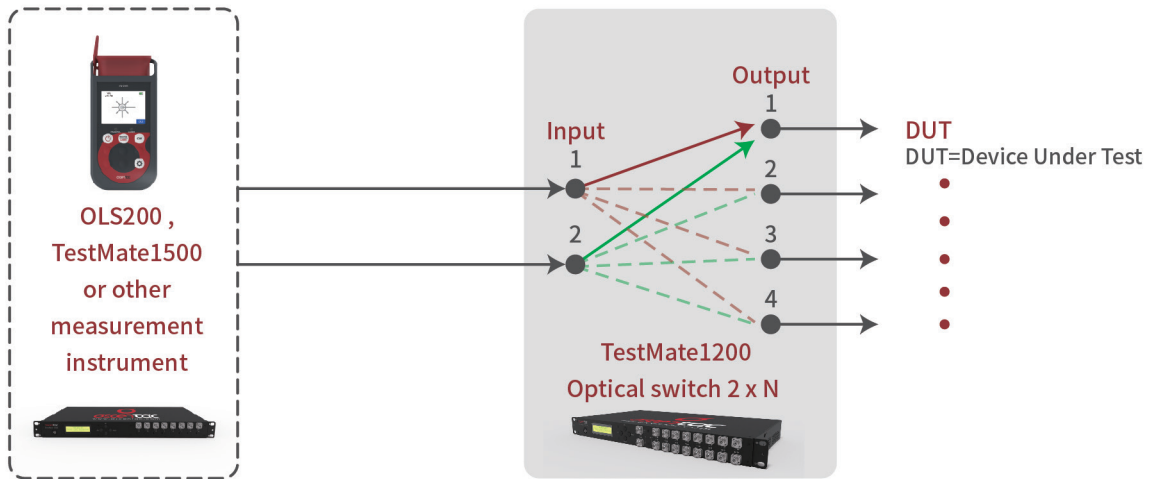
1U Managed Rackmount Design with High Flexibility

Ascentac TestMate1200 Series can be mounted in a standard-sized, 19"-wide rack.
Width x Height x Depth：438 x 44.4 x 238.2 mm

Flexible mounting bracket for easy installation in a rack

238.2 mm

44.4 mm

438 mm

Automatic Routing of Optical Signals for Testing Devices

Ascentac TestMate1200 Series can be used to switch channel to different measurement or analysis instruments. It can speed up time of testing and enhance high repeatability of DUTs.

OLS200 ,
TestMate1500
or other
measurement
instrument

Input
1

2

Output
1

2

3

4

DUT
DUT=Device Under Test

TestMate1200
Optical switch 2 x N

Specification

OSW 2 x N		
Channel	2x4、2x8、2x12、2x16	
Fiber Type	MM (62.5/125 um)	SM (9/125 um)
Wavelength Range (nm)	850 to 1300	1260 to 1650
Test Wavelength (nm)	850 / 1300	1310 / 1550 / 1625
Return Loss (dB)	≥ 30	≥ 50
Crosstalk (dB)	≥ 35	≥ 55
Insertion Loss (dB)	2x4：≤ 1.5 dB、2x8：≤ 2.0 dB、2x12: ≤ 2.5 dB、2x16：≤ 2.5 dB	
Repeatability (dB)	≤ ±0.1	
Polarization Dependent Loss (PDL) (dB)	≤ 0.3	
Optical Power (mW)	≤ 500	
Switching Time (ms)	≤ 10 (adjacent channel) N x 10	
Connector Type	FC/PC or FC/APC	
Standard Accessories	Main unit, USB to USB cable, Power cord, Rack mounting ears with screws, One-year warranty	

Ordering Information

TestMate 03 - X 12 X X

Model & Fiber Type
A : Non-matrix, SM (9/125 um)
B : Matrix, SM (9/125 um)
C : Non-matrix, MM (62.5/125 um)
D : Matrix, MM (62.5/125 um)

Connector Type
1 : FC / PC
2 : FC / APC

Channel
1 : 4-CH
2 : 8-CH
3 : 12-CH
4 : 16-CH

Example : TestMate 03-A1211

Distributor：