

# OS Series for Test Lab Automation

## Improving Efficiency, Speed, and Performance to Enable World-Class Network and Application Test Labs

### HIGHLIGHTS

- Automated connections are instantaneous and assured
- Dark fiber switching
- Up to 192 duplex optical ports
- Near zero latency
- Redundant power and control
- Controlled by TestStream Management Software

### Product Overview

NETSCOUT® delivers solutions that enable world-class network and application test labs.

For customers in need of an all-optical solution, NETSCOUT offers the OS Series for Test Lab Automation. The OS Series includes two chassis configuration options, offering 96 or 192 duplex ports of all optical Single Mode fiber connectivity, the OS-96 and OS-192. Both OS Series products are data-rate and protocol transparent and offer near zero latency for time-sensitive applications.

Whether you are managing dedicated high-performance test labs or consolidated global test labs operating in a Lab as a Service (LaaS) model, NETSCOUT offers a Test Lab Automation Infrastructure solution that will address those immediate needs as well as our long-term objectives.

### Product Capabilities

- 96 or 192 full duplex LC ports
- Single Mode fiber
- Data rate and protocol transparent up to 400G
- Dark fiber switching
- Dual AC power
- Near zero latency for time sensitive applications
- Reconfiguration of connections in less than 25ms
- Controlled by TestStream software

Parameter	Typical	Max	Units
Insertion Loss	1	2.0	dB
Operating Wavelength Range	1,260	1,675	Nm



- OS-96 | 96-Optical Ports, 192 SM Fiber Terminations
- OS-192 | 192-Optical Ports, 384 SM Fiber Terminations



OS-Series Parameter	Value
Fiber Type	Single Mode
Insertion Loss	1.0dB Typical; 2.0 dB Maximum
Fiber Connection	LC
Loss Repeatability	+/-0.1dB
Connection Stability	+/-0.1dB
Maximum Switching Time	25ms
Polarization Dependent Loss (PDL)	<0.1dB (All Bands)
Crosstalk	<-50dB (Dynamic)
Operating Wavelength Range	1260-1675nm (O, E, S, C, L, U Band)
Return Loss (with aPC Connectors)	>50dB
Wavelength Dependent Loss	<0.3dB (C+L Bands); <.4 dB (O,E,S,U Bands)
Maximum Optical Input Power	+27dBm
Switch Lifetime	>109 Cycles
Power Consumption	75 Watts Maximum
Dark Fiber Switching	Yes
Bi-Direction Optics	Yes
Operating Temperature	+10°C to +40°C, 85% RH non-condensing
Electrical Power Requirements	Dual 15A 100-240 VAC 50/60 Hz
Fiber Connection	LC Duplex
Regulatory Approvals	FCC, UL, cUL, CE



**OS-96**



**OS-192**

Number of Ports	96 LC Duplex Fiber Ports	192 LC Duplex Fiber Ports
Height	5.25 in (13.3 cm, 3RU)	10.5 in (26.6 cm, 6RU)
Width	17.3 in (44 cm); 19 in (48.2 cm) - rack mounting	17.3 in (44 cm); 19 in (48.2 cm) - rack mounting
Depth	21.7 in (551.2 mm)	21.7 in (55 cm)
Weight	41.4 lbs (18.8 kg)	73 lbs (33.1 kg)



**Corporate Headquarters**  
 NETSCOUT Systems, Inc.  
 Westford, MA 01886-4105  
 Phone: +1 978-614-4000  
[www.netscout.com](http://www.netscout.com)

**Sales Information**  
 Toll Free US: 800-309-4804  
 (International numbers below)

**Product Support**  
 Toll Free US: 888-357-7667  
 (International numbers below)

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