

OPTICAL CIRCUIT SWITCHES

Rack-Mount 64x64 Optical Switch

Deployment-ready 64x64 optical circuit switch in a 19-inch 1U chassis, with LC ports and optional built-in amplification.



Key Features

- 64 channels, non-blocking, in a standard 19-inch 1U chassis
- LC input and output ports for straightforward patching
- Built on the LW-64 silicon photonic switch chip
- Stackable for scale-up and scale-out topologies
- Optional integrated EDFA and gain flattening filter
- Transparent to data rate, modulation format and protocol

Applications

- Reconfigurable top-of-rack and spine interconnect
- Optical protection switching in carrier and enterprise networks
- Automated test and measurement racks
- Lab and testbed topology reconfiguration

Overview

This is the LW-64 silicon photonic switch fabric packaged for the rack: a standard 19-inch, 1U chassis presenting 64 LC input ports and 64 LC output ports. Any input can be connected to any output, and the connection is purely optical, so the switch does not care what rate or protocol the link is carrying.

Units stack to build larger fabrics, which lets a deployment scale up without replacing what is already installed. Where the loss budget is tight, the chassis can be ordered with an integrated EDFA and gain flattening filter so amplification and switching occupy a single rack unit.

Specifications

System

PARAMETER	VALUE
Hardware Platform	LW-64 silicon photonic switch chip
Channel Configuration	64 channels, non-blocking
Interface Type	LC, input and output
Chassis	19-inch rack mount, 1U
Scalability	Stackable; supports scale-up and scale-out architectures
Optional Configuration	Integrated EDFA and gain flattening filter (GFF)

NOTES

1. Optional amplification changes the optical budget and the power draw. Confirm the configuration with sales before ordering.

Order or request a quote

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