



Factsheet

# Swisscom Optcallink Services (SOS)

**swisscom**

**Enable, drive and protect  
your business.**



# Highly reliable when transferring complex data

**It is a challenge for any company when it comes to choosing datacentres and servers networking. This is even more so the case when data security and data transfer have the highest priority.**

Opticallink Services from Swisscom provides a solution which transfers data on an optical basis. Thus, the transmission of complex data using different transmission technologies and high bandwidths is guaranteed with the highest degree of reliability.

## What is Opticallink Services?

Opticallink Services is a data transfer service in the gigabit range which is suitable for complex requirements. Data for various applications in the areas of LAN service, data centre, switched data service and synchronous transmission service are easily transmitted. A full throughput gigabit ethernet channel makes it possible to provide time-critical data in your company networks throughout Switzerland. Opticallink Services is constantly monitored and administered end-to-end by the Swisscom Customer Service Center.



### Data transfer and bandwidth

The data transfer is in the gigabit range. The bandwidths can be adapted to your requirements.



### Availability

Availability between 99.90% and 99.99%



### E2E solution

End-to-end monitoring and administration by the Swisscom Customer Service Center.



### Network quality and reliability

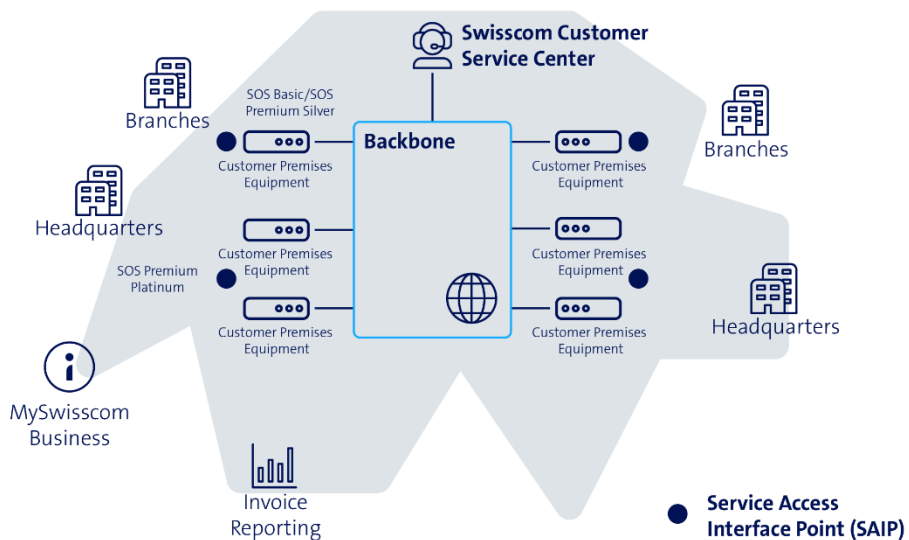
Benefit from the highest network quality and highest reliability



### Optional: Encryption

Optional encryption according to AES-256 for maximum security

## The Solution at a glance.





## Facts & Figures

### Opticallink Services – in detail



Application	Standard Service	Usable bandwidth	Standard Interface
SAN	Fiber Channel 800 (8,500 Gbit/s) <sup>2</sup>	6,400 Gbit/s <sup>1</sup>	850 nm MMF, 1310 nm SMF
	Fiber Channel 1600 (14,025 Gbit/s) <sup>2</sup>	12,800 Gbit/s <sup>1</sup>	850 nm MMF, 1310 nm SMF
	Fiber Channel 3200 (28,050 Gbit/s) <sup>2</sup>	25,600 Gbit/s <sup>1</sup>	850 nm MMF, 1310 nm SMF
LAN/WAN	1 Gigabit Ethernet (1,250 Gbit/s)	1 Gbit/s	elektrisch (Cat5 RJ45), 850 nm MMF, 1310 nm SMF
	10 Gigabit Ethernet (10,312 Gbit/s) <sup>2</sup>	10 Gbit/s	850 nm MMF, 1310 nm SMF
	100 Gigabit Ethernet (103,125 Gbit/s) <sup>2</sup>	100 Gbit/s	850 nm MMF, 1310 nm SMF
	400 Gigabit Ethernet (425,000 Gbit/s)	400 Gbit/s	SMF

<sup>1</sup> Maximum theoretical bandwidth according to FC standard. depending on the latency (using the line distance) and the device configuration at the customer (buffer credits, etc.)

<sup>2</sup> Encryption option available on WaveLite Access 200

### Service features



Distance limit	Unlimited in Switzerland
Basic service level	99.90%. Not ensured. No reporting
Premium service level	Ensured end-to-end availability. Service is proactively monitored by Swisscom. Final annual service availability reports
	Silver service level: 99.95%.
	Platinum service level: 99.99%. Circuit protection; 2 parallel. independent circuits
Support time	Basic: Mon.- Fri .07.00-18.00 / Premium: Mon.-Sun. 00.00-24.00. 24 hours a day
Service desk	24 hours a day /365 days a year
Reimbursement	Reimbursement provision for non-fulfilment of service availability values for premium service level



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Swisscom (Schweiz) AG Enterprise Customers, Postfach,  
CH-3050 Bern, Tel. 0800 800 900, [www.swisscom.ch/enterprise](http://www.swisscom.ch/enterprise)

## Definitions



AES	Advanced Encryption Standard AES-256
CPE	Customer Premises Equipment
CWDM	Coarse wavelength division multiplex
DWDM	Dense wavelength division multiplex
LAN	Local area network
MMF	Multi-mode fibre
Newton	Next Evolution Wavelength Transport Optical Network
SONATE	Swisscom Optical Network for all IP Transport Services
SAN	Storage area network
SMF	Single-mode fibre
WAN	Wide area network

You can find more information and the contact details of our experts at <https://swisscom.ch/opticallink>