

Swisscom Opticallink Services (SOS)

Highly reliable when transferring complex data

It is a challenge for any company when it comes to choosing data centres 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 trans-mission 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 Network Operations Centre.

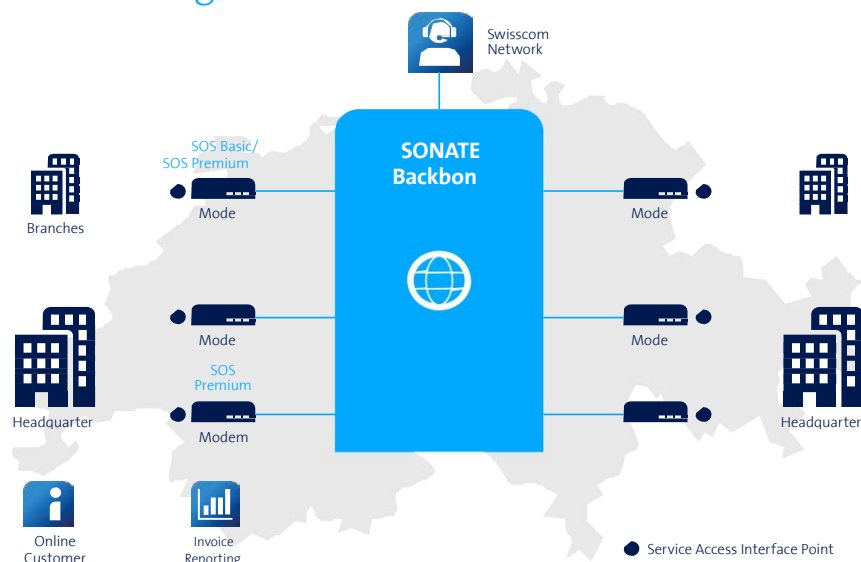
Your benefits

Opticallink Services

- > enables data transfer in the gigabit range
- > is able to adapt the bandwidth to your requirements
- > guarantees availability from 99.95% to 99.99%
- > sends you availability reporting via extranet (monthly performance & annual reports)
- > provides you with a longterm e2e solution and the support to go with it
- > allows you to benefit from the highest network quality and highest reliability
- > supports various applications (SAN, LAN, WAN)
- > ensures end-to-end monitoring and administration by the Swisscom Network Operations Centre
- > guarantees maximum availability and support around the clock

Ensure your company remains successful with data centres and server connections from Opticallink Services.

The solution at a glance.



Facts & Figures

Opticallink Services – in detail

Applications

Applications	Standard service	Effective bandwidth	Standard interface (optical/electric)
SAN	Fibre Channel 100 (1.062 Gbit/s)	800 Mbit/s ¹	850 nm MMF. 1310 nm SMF and 1550 nm SMF
	Fibre Channel 200 (2.125 Gbit/s)	1.600 Gbit/s ¹	850 nm MMF. 1310 nm SMF and 1550 nm SMF
	Fibre Channel 400 (4.250 Gbit/s)	3.200 Gbit/s ¹	850 nm MMF. 1310 nm SMF
	Fibre Channel 800 (8.500 Gbit/s)	6.400 Gbit/s ¹	850 nm MMF. 1310 nm SMF
	Fibre Channel 1200 (10.519 Gbit/s)	10.200 Gbit/s ¹	1310 nm SMF
	Fiber Channel 1600 (14,025 Gbit/s)	12,800 Gbit/s ¹	850 nm MMF
LAN	Fast Ethernet 10 (12.5 Mbit/s)	10 Mbit/s	Electric (Cat5 RJ45)
	Fast Ethernet 125 (125 Mbit/s)	100 Mbit/s	Electric (Cat5 RJ45)
	Gigabit Ethernet (1.250 Gbit/s)	1 Gbit/s	Electric (Cat5 RJ45). 850 nm MMF. 1310 nm SMF and 1550 nm SMF 10
	Gigabit Ethernet (10.312 Gbit/s)	10 Gbit/s	850 nm MMF. 1310 nm SMF and 1550 nm SMF
	40 Gigabit Ethernet (41,250 Gbit/s)	40 Gbit/s	850 nm MMF, 1310 nm SMF
	100 Gigabit Ethernet (103.125 Gbit/s)	100 Gbit/s	1310 nm SMF
WAN	STM16c (2.488 Gbit/s)	2.396 Gbit/s	1310 nm and 1550 nm
	STM64c (9.953 Gbit/s)	9.585 Gbit/s	850 nm MMF. 1310 nm SMF and 1550 nm SMF

¹ 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.)

Service features

Distance limit	Unlimited in Switzerland
Basic service level	99.90%. Not guaranteed. No reporting (SDT-8)
Premium service level	Guaranteed end-to-end availability. Service is proactively monitored by Swisscom. Monthly service availability reports with downtimes as well as final annual service availability reports.
	Silver service level: 99.95%. (SDT-4)
	Platinum service level: 99.99%. Circuit protection; 2 parallel, independent circuits. (SDT-1)
Support time	Basic SS5: Mon.-Fri. 07.00-18.00 Premium FS7: 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

Definitions

3R	Reamplifying reshaping retiming
CWDM	Coarse wavelength division multiplex
DWDM	Dense wavelength division multiplex
LAN	Local area network
MMF	Multi-mode fibre
SAN	Storage area network
SMF	Single-mode fibre
SONATE	Swisscom Optical Network for all IP Transport Services
WAN	Wide area network

Facts & Figures

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Visionary companies use the possibilities of digitisation to reinvent the future. With numerous innovations, Swisscom is opening up new areas of business. We see it as our responsibility to help you maximise the benefits of digitisation.

We will provide you with the best network infrastructure, secure data storage, reliable project management, successful implementation and numerous innovative solutions.

Welcome to the country of possibilities.

You can find more information and our expert's contact details at [swisscom.ch/opticallink](https://www.swisscom.ch/opticallink)