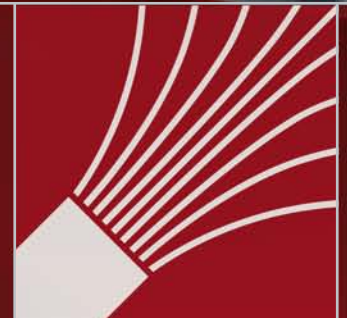


# WISI OPTOPUS



## Optical Access Platform for FTTx and HFC



*excellence in digital ...*

# WISI LX Optical Platform

The Wisi optical platform Optopus is a highly flexible and high density platform for all kinds of analog optical networks. The system is used in any network such as HFC, RF over Glass or RF Overlay in FTTX applications.

Optopus is designed to meet the high requirements and reliability necessary for today's networks. State-of-the-art features such as redundant AC and DC power supplies, pluggable fan units and advanced management features meet the carrier-grade demands of telecommunication and cable operators.

The Optopus platform allows to mount any module into any slot thus giving the possibility for individual configuration depending on the desired applications. With its 14 slots in a 3+1 rack unit chassis it utilises up to 28 transmitters, 56 receivers or a mixture of both including power supply and management unit.

Optopus has a wide range of internal and external modules. Internal modules are managed via internal bus topology while external modules, such as high performance external modulated transmitters or high power EDFAs are connected via the ethernet interfaces of the management modules.

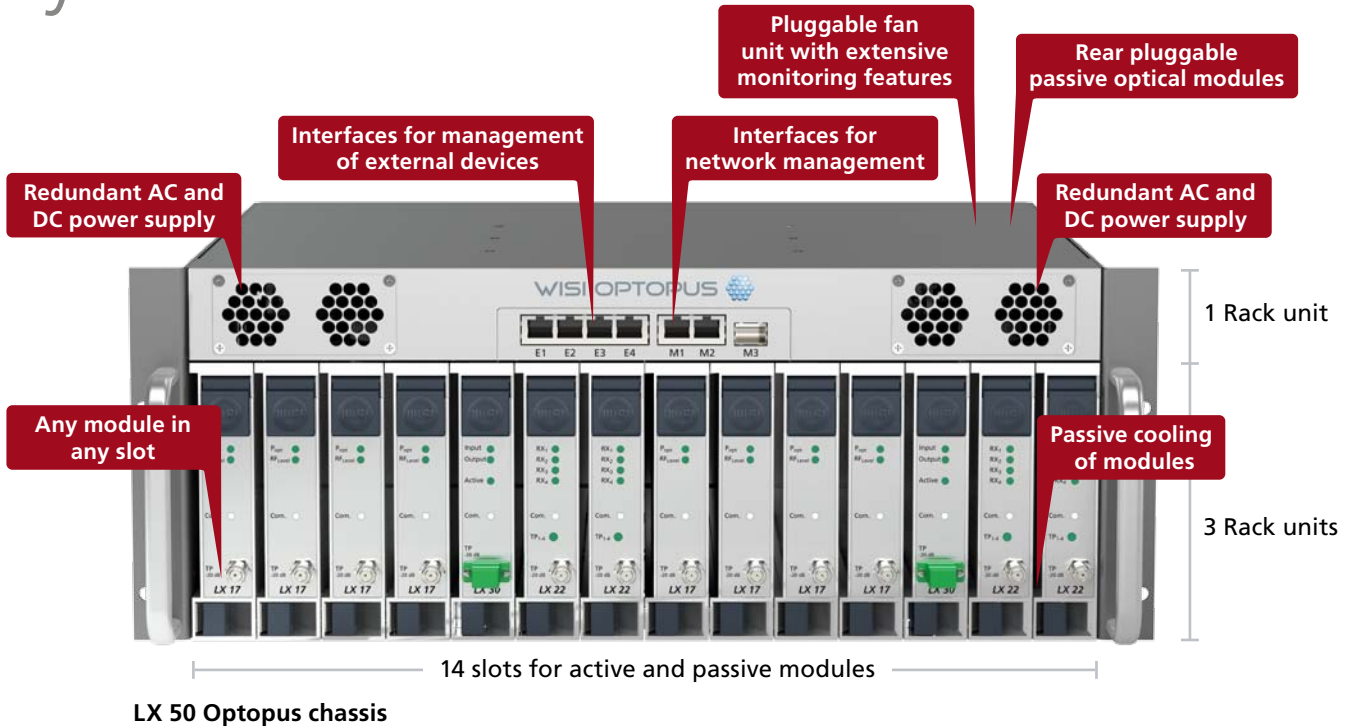
Optopus is the system of choice for every operator enabling powerful, flexible and cost efficient optical access networks.

## **At one glance:**

- HFC, RfOG, FTTx and RF Overlay applications
- Full modular concept
- Advanced management featureset
- Contains up to 28 transmitters or 56 receivers
- High density with up to 14 modules in 3 RU
- Backplane for active rack modules
- Passive optical modules plug in on rear side
- Passive cooling of modules
- Pluggable fan unit with extensive monitoring capabilities
- Intelligent noise reduction in upstream receivers
- Pluggable redundant AC and DC power supply



# System Overview



*The LX platform is designed to enable the operator to build any kind of HFC or FTTx network.*

Some of the available modules are listed below:

- High performance downstream transmitters in different power levels
- Dual transmitters for down and upstream in different power levels
- DWDM transmitters for downstream and upstream communication
- CWDM transmitters for downstream and upstream communication
- EDFAs in different power levels and options
- Quattro HFC upstream receiver
- Quattro RFoG upstream receiver
- Passives like splitters, CWDM-, DWDM multiplexers, add-drop filter etc.



LX 22 Return Receiver



LX 17 Narrow Cast Transmitter



LX 30 Cost efficient EDFA

## HFC

- Tuneable DWDM transmitter
- Cost efficient dual transmitter
- Quattro upstream receiver
- Intelligent noise reduction

## Cluster Splitting

- Cost efficient node segmentation
- Fullband transmitter
- Standard O-band wavelengths
- Reach up to 25 km

## RF over Glass

- Extremely low noise receiver
- Integrated WDM filter
- Cost efficient 1550 transmitter
- High power EDFA

# RF Overlay

- External modulated transmitter
- High power EDFA
- SAT-IF frequency up to 2600 MHz
- EDFA with integrated WDM



**LX 10 external modulated transmitter**



**LX 35 high power EDFA**



**LX 37 high power EDFA**

# Optical Passives

- Fiber management unit
- Passive chassis for splitter- and WDM filter modules
- Wide range of 1RU and 2RU splitter



**LP 30**



**LP 90 0164**



**LP 40**

## **WISI Communications GmbH & Co. KG**

P.O. Box 1220

75219 Niefern-Oeschelbronn, Germany

Phone: +49 72 33-66-2 80

Fax: +49 72 33-66-3 50

E-mail: [export@wisi.de](mailto:export@wisi.de)

Internet: [www.wisi.de](http://www.wisi.de)