

A data connection of two points with a predefined course and a capacity up to 400 Gbps

WDM technologies allow the color spectrum of a light beam in an optical fiber to be used to transmit multiple times more capacity. Each wavelength - LAMBDA - allows the same capacity to be transmitted between two points as one fiber without WDM technology. Quantcom operates an extensive DWDM and CWDM network. In addition to most major Czech cities, the technology is also implemented at Quantcom's international hubs in Bratislava, Vienna, Katowice and Frankfurt. In cooperation with our long-term partners, it is possible to provide the LAMBDA service worldwide.

WHO IS THE SERVICE DESIGNED FOR?

The service is designed primarily for telecommunications companies, ISPs, content providers, but also large corporate customers.

SERVICE CONTENT

- Fully dedicated high-speed data transfer between two points
- Clearly defined route
- Technical support to ensure the required configuration changes
- High quality (minimum latency, latency variation and packet loss)
- Possibility of SLA - guarantee of quality and availability of the service
- Monitoring 24/7

TECHNICAL DESCRIPTION

The DWDM network is built on Huawei Technologies technology, which has long proven to be top quality and reliable and allows you to transmit capacities up to $n * 1\text{Gbps}$, $n * 10\text{Gbps}$ and $n * 40\text{Gbps}$.

Supported service interfaces:

- SDH: ITU-T G.691 and ITU-T G.957
- STM-64/STM-16/STM-4/STM-1
- POS/ATM: concatenated SDH as VC-4-4c/VC-4-16c/VC-4-64c
- SONET: OC-3/OC-12/OC-48/OC-192, STS-3c/STS-12c/STS-48c/STS-192c
- Ethernet, 1GE, 10GE LAN, 10GE WAN
- OTN – OTU1, OTU2, OTU2v
- ESCON (Enterprise system connection 200 Mbit/s)
- FC100 (Fiber channel 1,06 Gbit/s)
- FC200 (Fiber channel 2,12 Gbit/s)
- FICON (Fiber channel 1,06 Gbit/s)
- FICON EXPRESS (Fiber channel 2,12 Gbit/s)
- DVB-ASI (Digital Video Broadcasting 270 Mbit/s)
- HDTV (High-definition)

SERVICE LAYOUT

