

OSX8+1 Extended 8-ch. CWDM Multiplexer



Introduction

The OSX8+1 is a compact 8-channel optical CWDM multiplexer/demultiplexer plus(!) 1310nm express port. The OSX8+1 is the perfect extension of your existing fibre network. The standard wavelength of 1310nm can either be used for legacy traffic operating or for management channel. Together with the arcutronix transponder cards and the the multifunctional subrack SRX10 the OSX8+1 is the base of the arcutronix CWDM transport system. The OSX8+1 gives the possibility to transport eight additional services along the installed network including Ethernet, ATM, SDH/Sonet and FibreChannel. Low insertion loss and the highly integrated design make the OSX8+1 to a unique member of arcutronix Transmission family.

The OSX8+1 is easy to install in the arcutronix Multi service Platform and is suitable for a secure and unattended operation. It can be housed in the desktop/wall-mounted or 19" racks for high density. A mixture with other components of arcutronix Multi Service Platform makes it easy to upgrade your network.

Features

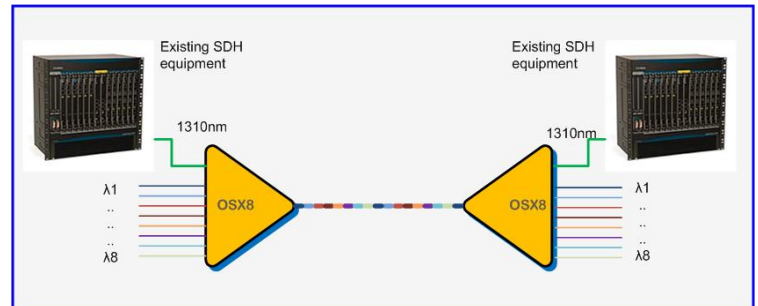
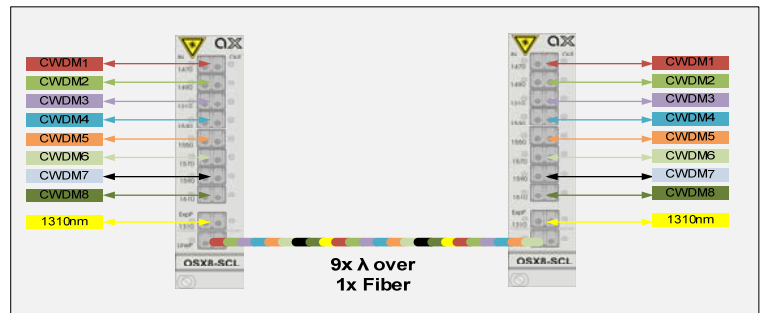
- ▶ Passive optical splitter
- ▶ Multiple services over one line
- ▶ Highest flexibility due to combination of active arcutronix components and CWDM transmission technology
- ▶ 8x CWDM Channels
- ▶ Plus 1x 1310nm Express port
- ▶ CWDM grid accord to ITU-T G.694.2, spacing 20 nm
- ▶ Fully protocol transparent
- ▶ Low insertion loss
- ▶ No power supply necessary
- ▶ 3RU design
- ▶ Easy installation into all housings and racks of the arcutronix Multi Service Platform
- ▶ Fully interoperable with FCX- and EDX-Family

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Application Example

The OSX8+1 builds an overlay fibre optic infra-structure over an existing network, which is operated with 1310nm standard wavelength. The existing MAN / WAN can be further used without any need of change. This making the upgrade of the existing network easy and safe. More bandwidth, more services and more protection can be offered on the existing infra-structure. Saving costs, invest and rack space with ax Multi service Platform.



Specifications

Interfaces

- OSX8-SCL
 - 1x Line Port, LC-connector
 - 1x Exp-Port, LC-connector
 - 8x CWDM-Ports, LC-connector

CDWM wavelengths

- OSX8-SCL
 - S-Band: 1471nm, 1491nm, 1511nm
 - C-Band: 1531nm, 1551nm
 - L-Band: 1571nm, 1591nm, 1611nm
 - Exp-Port: 1310nm (1260-1458nm)

Optical parameters

- Insertion Loss
 - SCL-Band: < 1.5dB
 - Exp-Port: < 1.0dB
- Isolation
 - SCL-Band: > 30/45dB (adjacent/non adj.)
 - Exp-Port: > 15dB
- Return Loss
 - Min. 45dB
- Optical Power
 - Max. 300mW

Management

- No management required.

Environmental

- Operating: 0 to +65°C
- Storage: -25 to +70°C
- Humidity: 5 to 95%, non-condensing

Power

- No power needed.

Physical

- Weight: < 250g
- Dimensions:
 - 130mm H x 30mm W x 190mm D
 - 45mm H x 145mm W x 260mm D (in SHX3)
- 19" rack: 10 slots available in (3RU) rack

Specification may change without prior notice. Please refer to www.arcutronix.com for latest data-sheets.

For more information please contact arcutronix GmbH or visit us at www.arcutronix.com.

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