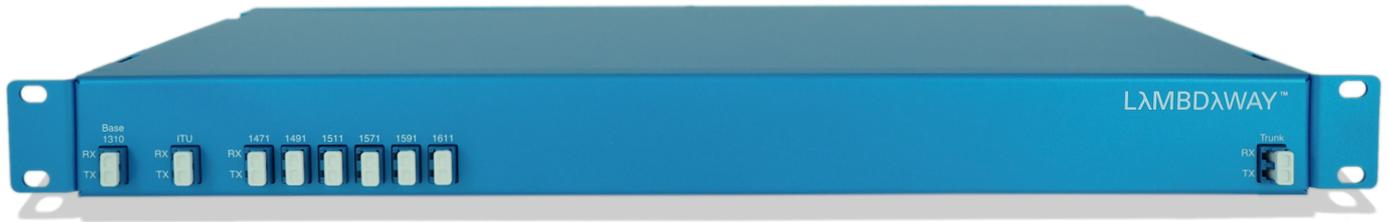


## Passive WDM Multiplexer



The flexible Lambdaway WDM concept presents the ideal expansion of your current optical fibre infrastructure supporting a maximum of 80 connections over a single fibre and multiple transfer protocols and standards (ESCON, ATM, Fibre Channel, Gigabit or even 100 Gigabit Ethernet) – to be transmitted simultaneously.

The Lambdaway product family offers a comprehensive suite of high performance WDM multiplexers: The CWDM series, the DWDM series, and a combination of these two series.

The CWDM series is available with 2 to 18 channels. The optional base channel version provides an additional 1310nm channel and is particularly suited for highly cost-efficient 10Gb/s transmission speeds, for example. An optional extension port makes the Lambdaway series cascadable and enables to build a modular passive infrastructure that can be tailored to your individual needs.

### Highlights

- Passive WDM multiplexer capable of multiplexing up to 80 optical channels
- Additional 1310nm (base) port available as an option
- Optional DWDM extension port
- Combines CWDM and DWDM technology in a single unit
- Add/Drop versions
- Comes with standard monitoring port 1% (DWDM only)
- Single and dual fibre versions
- Easy integration of new services using existing fibre links
- Can be operated in combination with low-cost transceivers (SFP, XFP, GBIC, XENPAK, etc.), no need to replace existing equipment
- Covers metro distances of 80 km and more
- Fully bit rate and protocol transparent
- Purely passive component requiring no power supply
- Made in Switzerland

### Applications

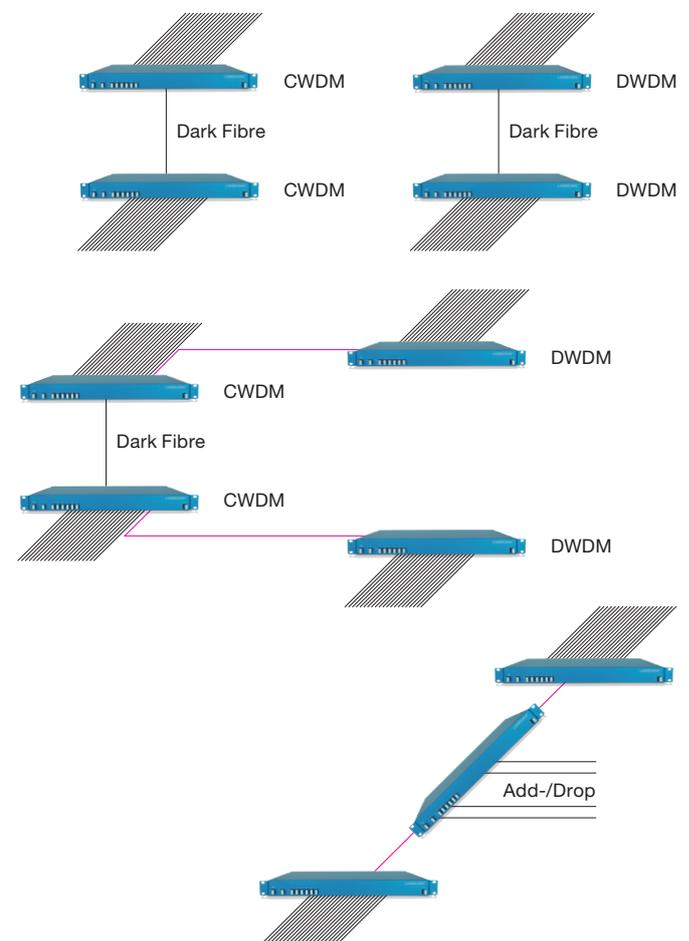
- Every enterprise and carrier with optical fibre infrastructure installed
- Deployment of new applications over existing cabling
- Gigabit Ethernet, Fibre Channel, ATM, ESCON supported over a single fibre link
- Cost-effective transmission of large data streams
- Ideal solution for Metro Core, Metro Access and Enterprise Networks

The DWDM series is available as 4 to 80 channel versions. As a space-saving feature, a hybrid combination of CWDM and DWDM technology integrates in a single chassis.

### Lambdaway Add/Drop

Multi-site xWDM networks can be deployed reliably and cost-efficiently using add/drop modules. There is hardly any limitation as to the number and direction (East/West) of the wavelengths added or dropped.

Networks, for example, comprising two main sites and some smaller POP's or networks with a bead-chain structure can easily be installed and operated. Please contact us. Flexibility is our strength.



Technical Data							
Lambdaway™ Type	Channels	Wavelengths (nm for CWDM, ITU-chan. for DWDM)	Channel Spacing, nm	Passband @ 0.5dB, nm	Insertion Loss Channels, dB	Insertion Loss Channels when used in pairs (Mux Demux), dB	Dimensions
B-204-C	4	1471/1491/1511/1531	20	+/-6.5	<1.6	<2.4	19" 1 U
B-208-C	8	1471/1491/1511/1531/1551/1571/1591/1611	20	+/-6.5	<2.8	<4.2	19" 1 U
B-216-C	16	1311/1331/1351/1371/1391/1411/1431/1451/1471/1491/1511/ 1531/1551/1571/1591/1611	20	+/-6.5	<4.0	<6.0	19" 1 U
B-204-D	4	35/36/37/38	0.8	+/-0.1	<2.8	<4.2	19" 1 U
B-208-D	8	35/36/37/38/39/40/41/42	0.8	+/-0.1	<4.0	<6	19" 1 U
B-210-D	10	50-59	0.8	+/-0.1	<4.0	<6	19" 1 U
B-211-D	11	50-60	0.8	+/-0.1	<4.0	<6	19" 1 U
B-216-D	16	35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50	0.8	+/-0.1	<5.0	<7.5	19" 1 U
B-220-D	20	to be defined	0.8	+/-0.1	<5.0	<7.5	19" 1 U
B-240-D	40	21-60	0.8	+/-0.1	<5.0	<10	19" 1 U
B-204-C-B	4+1	1471/1491/1511/1531 + 1310	20	+/-6.5	<1.6	<2.4	19" 1 U
B-208-C-B	8+1	1471/1491/1511/1531/1551/1571/1591/1611 +1310	20	+/-6.5	<2.8	<4.2	19" 1 U
B-214-C-B	14+1	1351/1371/1391/1411/1431/1451/1471/1491/1511/1531/ 1551/1571/1591/1611 + 1310	20	+/-6.5	<4.0	<6	19" 1 U
B-206-C-D	6+1	1471/1491/1511/1571/1591/1611 + ITU DWDM	20	+/-6.5	<2.5	<3.7	19" 1 U
B-214-C-D	14+1	1311/1331/1351/1371/1391/1411/1431/1451/1471/1491/ 1511/1571/1591/1611 + ITU DWDM	20	+/-6.5	<4	<6	19" 1 U
B-206-C-D-B	6+2	1471/1491/1511/1571/1591/1611 + I1310 + ITU DWDM	20	+/-6.5	<2.5	<3.7	19" 1 U
B-212-C-D-B	12+2	1351/1371/1391/1411/1431/1451/1471/1491/1511/1571/ 1591/1611 + I1310 + ITU DWDM	20	+/-6.5	<4	<6	19" 1 U
B-214/04-C/D	14+4	1311/1331/1351/1371/1391/1411/1431/1451/1471/1491/1511/1571/1591/ 1611 + ITU 35/36/37/38	20/0.8	+/-6.5	<4 + <5.5	<6 + 7.7	19" 1 U
B-214/08-C/D	14+8	1311/1331/1351/1371/1391/1411/1431/1451/1471/1491/1511/1571/ 1591/1611 + ITU 35/36/37/38/39/40/41/42	20/0.8	+/-6.5	<4 + <6.5	<6 + 9.7	19" 1 U
B-214/16-C/D	14+16	1311/1331/1351/1371/1391/1411/1431/1451/1471/1491/1511/1571/1591/ 1611 + ITU 35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50	20/0.8	+/-6.5	<4 + <7.5	<6 + 11	19" 1 U
B-212/04-C/D-B	12+4+1	1351/1371/1391/1411/1431/1451/1471/1491/1511/1571/ 1591/1611 + ITU 35/36/37/38 + 1310	20/0.8	+/-6.5	<4 + <5.5	<6 + 7.7	19" 1 U
B-212/08-C/D-B	12+8+1	1351/1371/1391/1411/1431/1451/1471/1491/1511/1571/1591/ 1611 + ITU 35/36/37/38/39/40/41/42 + 1310	20/0.8	+/-6.5	<4 + <6.5	<6 + 9.7	19" 1 U
B-212/16-C/D-B	12+16+1	1351/1371/1391/1411/1431/1451/1471/1491/1511/1571/1591/ 1611 + ITU 35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50 + 1310	20/0.8	+/-6.5	<4 + <7.5	<6 + 11	19" 1 U
<b>B-xxx</b>	<b>N(+N)</b>	<b>To be defined: We are pleased to supply the configuration you desire</b>					

Dimensions: 19"; 1 U (44 mm) 230mm

Connectors: Clients and Monitor LC/PC, Trunk LC/APC

April 2022