OPTRIBUTION
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Accessories for Optribution Chassis

The final product may vary from the above image depending on the options selected.

Products:

DEV 7512	1:2 Optribution Splitter; 1260...1610 nm; SC/APC
DEV 7514	1:4 Optribution Splitter; 1260...1610 nm; SC/APC
DEV 7518	1:8 Optribution Splitter; 1260...1610 nm; SC/APC
DEV 7516	1:16 Optribution Splitter; 1260…1610 nm; SC/APC
DEV 7612	1:2 CWDM Optribution De-/Multiplexer; SC/APC
DEV 7614	1:4 CWDM Optribution De-/Multiplexer; SC/APC, LC/APC
DEV 7618	1:8 CWDM Optribution De-/Multiplexer; SC/APC, LC/APC
DEV 7616	1:16 CWDM Optribution De-/Multiplexer; SC/APC, LC/APC
DEV 7658	1:8 DWDM Optribution De-/Multiplexer; SC/APC, LC/APC; with Extension Port

Features:

- Optical Splitter Modules for the Distribution of Optical Signals
- Optical De-/Multiplexer Modules for CWDM Systems
- Optical De-/Multiplexer Modules for DWDM Systems
- Optical Connector Type SC/APC (optional FC/APC or E2000 HRL)

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Technical Data DEV 7512, DEV 7514, DEV 7518, DEV 7516

	Value	Condition
Common Optical Specifications		
Number of Optical Inputs	1	
Optical Connectors	SC/APC, E2000/HRL, or FC/APC	Standard is SC/APC
Wavelength	1260…1610 nm	
Common General Specifications		
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	

DEV 7512 1:2 Optribution Splitter; 1260...1610 nm; SC/APC

	Value	Condition
Optical Specifications		
Number of Optical Outputs	2	
Optical Insertion Loss	<4.5 dB	
General Specifications		
Size	4 HP (20 mm) Width, 3 RU (133 mm) Height	
Weight	~0.3 kg	

DEV 7514 1:4 Optribution Splitter; 1260...1610 nm; SC/APC

	Value	Condition
Optical Specifications		
Number of Optical Outputs	4	
Optical Insertion Loss	<8.0 dB	
General Specifications		
Size	6 HP (30 mm) Width, 3 RU (133 mm) Height	
Weight	~0.4 kg	

DEV 7518 1:8 Optribution Splitter; 1260...1610 nm; SC/APC

	Value	Condition
Optical Specifications		
Number of Optical Outputs	8	
Optical Insertion Loss	<11.0 dB	
General Specifications		
Size	6 HP (30 mm) Width, 3 RU (133 mm) Height	
Weight	~0.5 kg	

DEV 7516 1:16 Optribution Splitter; 1260...1610 nm; SC/APC

	Value	Condition
Optical Specifications		
Number of Optical Outputs	16	
Optical Insertion Loss	<14.5 dB	
General Specifications		
Size	12 HP (60 mm) Width, 3 RU (133 mm) Height	
Weight	~0.6 kg	

Technical Data DEV 7612, DEV 7614, DEV 7618, DEV 7616

- The DEV 761x can be used as a multiplexer in CWDM Tx Systems or as a demultiplexer in CWDM Rx Systems.
- The optical patch cables to connect the de-/multiplexer to the optical CWDM Tx modules or to optical Rx modules are part of the delivery.

	Value	Condition
Common Optical Specifications		
Optical Connectors Common Port / Patch Cables	SC/APC, E2000/HRL, or FC/APC	Standard is SC/APC
Optical Connectors De-/Mux Ports / Patch Cables	LC/APC	
Passband Bandwidth	±7.5 nm (typical)	
Max. Optical Insertion Loss	<1 dB	In minimum Passband
Adjacent Channel Isolation	>37 dB	
Directivity	>50 dB	
Common General Specifications		
Size	4 HP (20 mm) Width, 3 RU (133 mm) Height	
Weight	~0.3 kg	
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	

DEV 7612 1:2 CWDM Optribution De-/Multiplexer; SC/APC, LC/APC

	Value	Condition
Optical Specifications		
Number of Optical Inputs/Outputs	2	
Wavelengths	Port λ4: 1530 nm Port λ5: 1550 nm	

DEV 7614 1:4 CWDM Optribution De-/Multiplexer; SC/APC, LC/APC

	Value	Condition
Optical Specifications		
Number of Optical Inputs/Outputs	4	
Wavelengths	Port λ3: 1510 nm Port λ4: 1530 nm Port λ5: 1550 nm Port λ6: 1570 nm	

DEV 7618 1:8 CWDM Optribution De-/Multiplexer; SC/APC, LC/APC

	Value	Condition
Optical Specifications		
Number of Optical Inputs/Outputs	8 (with Option +Lambda0: 9)	
Wavelengths	Port λ1: 1470 nm Port λ2: 1490 nm Port λ3: 1510 nm Port λ4: 1530 nm Port λ5: 1550 nm Port λ6: 1570 nm Port λ7: 1590 nm Port λ8: 1610 nm (with Option +Lambda0 additionally: Port λ0: 1310 nm)	

DEV 7616 1:16 CWDM Optribution De-/Multiplexer; SC/APC, LC/APC

	Value	Condition
Optical Specifications		
Number of Optical Inputs/Outputs	16	
Wavelengths	Port λ1: 1470 nm Port λ2: 1490 nm Port λ3: 1510 nm Port λ4: 1530 nm Port λ5: 1550 nm Port λ6: 1570 nm Port λ7: 1590 nm Port λ8: 1610 nm Port λ9: 1310 nm Port λ10: 1330 nm Port λ11: 1350 nm Port λ12: 1370 nm Port λ13: 1270 nm Port λ14: 1290 nm Port λ15: 1430 nm Port λ16: 1450 nm	

DEV 7658 1:8 DWDM Optribution De-/Multiplexer; SC/APC, LC/APC; with Extension Port

- The DEV 7658 can be used as a multiplexer in DWDM Tx Systems or as a demultiplexer in DWDM Rx Systems.
- The DEV 7658 provides an integrated extension port for cascading several DEV 7658.
- The optical patch cables to connect the de-/multiplexer to the optical DWDM Tx modules or to optical Rx modules are part of the delivery.

	Value	Condition
Optical Specifications		
Number of Optical Inputs/Outputs	8 + Extension Port	
Optical Connectors Common Port / Patch Cables	SC/APC, E2000/HRL, or FC/APC	Standard is SC/APC
Optical Connectors De-/Mux Ports / Patch Cables	LC/APC	
Wavelength Options		
Option CH17…24:	CH 17 (1563.86 nm), CH 18 (1563.05 nm), CH 19 (1562.23 nm), CH 20 (1561.42 nm), CH 21 (1560.61 nm), CH 22 (1559.79 nm), CH 23 (1558.98 nm), CH 24 (1558.17 nm)	
Option CH25…32:	CH 25 (1557.36 nm), CH 26 (1556.56 nm), CH 27 (1555.75 nm), CH 28 (1554.94 nm), CH 29 (1554.13 nm), CH 30 (1553.33 nm), CH 31 (1552.52 nm), CH 32 (1551.72 nm)	
Option CH33…40:	CH 33 (1550.92 nm), CH 34 (1550.12 nm), CH 35 (1549.32 nm), CH 36 (1548.51 nm), CH 37 (1547.72 nm), CH 38 (1546.92 nm), CH 39 (1546.12 nm), CH 40 (1545.32 nm)	
Option CH41…48:	CH 41 (1544.53 nm), CH 42 (1543.73 nm), CH 43 (1542.94 nm), CH 44 (1542.14 nm), CH 45 (1541.35 nm), CH 46 (1540.56 nm), CH 47 (1539.77 nm), CH 48 (1538.98 nm)	
Option CH49…56:	CH 49 (1538.19 nm), CH 50 (1537.40 nm), CH 51 (1536.61 nm), CH 52 (1535.82 nm), CH 53 (1535.04 nm), CH 54 (1534.25 nm), CH 55 (1533.47 nm), CH 56 (1532.68 nm)	
Option CH57…64:	CH 57 (1531.90 nm), CH 58 (1531.12 nm), CH 59 (1530.33 nm), CH 60 (1529.55 nm), CH 61 (1528.77 nm), CH 62 (1527.99 nm), CH 63 (1527.22 nm), CH 64 (1526.44 nm)	
Passband Bandwidth	≥ ±0.11 nm	
Polarization dependent Loss	≤0.2 dB	
Max. Optical Insertion Loss	<3.8 dB, typical 1 dB	In minimum Passband
Adjacent Channel Isolation	≥30 dB	
Non adjacent Channel Isolation	≥50 dB	
Directivity	>50 dB	
Maximum Optical Power	500 mW / 27 dBm	
General Specifications		
Size	4 HP (20 mm) Width, 3 RU (133 mm) Height	
Weight	~0.3 kg	
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	

Order Information

Optical Splitter Modules

DEV 7512	1:2 Optribution Splitter; 1260...1610 nm; SC/APC
DEV 7514	1:4 Optribution Splitter; 1260...1610 nm; SC/APC
DEV 7518	1:8 Optribution Splitter; 1260...1610 nm; SC/APC
DEV 7516	1:16 Optribution Splitter; 1260…1610nm; SC/APC

Optical De-/Multiplexer Modules

DEV 7612	1:2 CWDM Optribution De-/Multiplexer; SC/APC, LC/APC
DEV 7614	1:4 CWDM Optribution De-/Multiplexer; SC/APC, LC/APC
DEV 7618	1:8 CWDM Optribution De-/Multiplexer; SC/APC, LC/APC
Option +Lambda0	Additional Input 1310 nm (DEV 7618)
DEV 7616	1:16 CWDM Optribution De-/Mulitplexer; SC/APC, LC/APC
DEV 7658	1:8 DWDM Optribution De-/Multiplexer; SC/APC, LC/APC; with Extension Port

To order the product it is mandatory to specify one of the following wavelength options:

Option CH17…24	1563.86 nm ... 1558.17 nm
Option CH25…32	1557.36 nm ... 1551.72 nm
Option CH33…40	1550.92 nm ... 1545.32 nm
Option CH41…48	1544.53 nm ... 1538.98 nm
Option CH49…56	1538.19 nm ... 1532.68 nm
Option CH57…64	1531.90 nm ... 1526.44 nm

Optical Connector Options for Splitter Modules and De-/Multiplexer Modules

Option 07	FC/APC Optical Connector
Option 08	E2000/HRL Optical Connector

Contact
DEV Systemtechnik GmbH
Grüner Weg 4A
61169 Friedberg
GERMANY
Phone: +49 6031 6975 100
Fax: +49 6031 6975 114
info@dev-systemtechnik.com
www.dev-systemtechnik.com

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Technical specifications are subject to change