

## Smart Intelligent Optribution Chassis 4 RU



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

### Product:

**DEV 7134**

Smart Intelligent Optribution Chassis; 12 Slots

### Features:

- ▀ Versatile 4 RU Chassis with small Installation Depth
- ▀ All Modules and Components are assembled at the Front Side
- ▀ 50 Ohm, SMA (f) or 75 Ohm, F (f)
- ▀
- ▀ 1+1 Redundancy Options
- ▀ Automatic Switch Back Option for 1+1 Redundancy Options
- ▀ N+1 Redundancy Options
- ▀ RGC (Redundancy Path Gain Compensation) for N+1 Redundancy Options
- ▀ CWDM for 4, 8, and 9 Channels
- ▀ Optical Ethernet Options
- ▀ SNMP Support
- ▀ DEV Web Interface
- ▀ Signal Recording and Data Backup Feature
- ▀ Power Supply Redundancy

## DEV 7134 Smart Intelligent Optribution Chassis; 12 Slots

	Value	Condition
<b>Capacity</b>		
Front Side	12 Slots (max. 12 Optical Channels with Single Link Modules, max. 16 Optical Channels with Twin Modules)	
<b>Remote Communication</b>		
Interface (Connector)	Ethernet (RJ-45)	
Remote Control & Surveillance	via Web Interface and via SNMP	
<b>Redundant Power Supply</b>		
Supply Voltage	100...240 V AC supplied by two different Lines	
Power Consumption	<250 VA	
<b>General Specifications</b>		
Size	19" (483 mm) Width, 4 RU (178 mm) Height, ~255 mm + max. 80 mm (Optical Connectors) Depth	
Weight	~8 kg	empty Chassis
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	

### Option 28 Automatic Switch Back

Automatic Switch Back enables the autonomous switching back from the redundant link to the main link based on the RF Sensing functionality.

■ Available in combination with 1+1 Rx redundancy options, only

### Option 55 Change Ethernet to optical Ethernet Interface; 30 km

### Option 56 Change Ethernet to optical Ethernet Interface; 1530 nm; 100 km

### Option 57 Change Ethernet to optical Ethernet Interface; 1550 nm; 100 km

With Option 55, Option 56, or Option 57 the CPU module of the device provides a 100Base-FX Ethernet interface with SC/PC connectors (instead of the standard 100Base-TX Ethernet interface with RJ-45 connector) for the optical transmission of Ethernet signals.

### Cabling Options

Cabling options are used for stand-alone optical Tx or Rx modules.

■ Available in 50 Ohm with SMA (f) or in 75 Ohm with F (f) connectors

■ Available for DC...3000 MHz, or for 10...1006 MHz, or for DC, 700...2500 MHz

### 1+1 Redundancy Options

1+1 redundancy options are used to realize a redundant optical link to a dedicated main link.

■ Available for DC, 950...2150 MHz, in 50 Ohm with SMA (f) or in 75 Ohm with F (f) connectors

■ Up to 4 times with single link modules and up to 8 times with twin modules for Rx redundancies

■ Up to 6 times with single link or twin modules for Tx redundancies

■ A mix with stand-alone optical Tx or Rx modules is allowed

■ A mix with n+1 redundancy options and mix of single link and twin modules is not allowed

■ Link gain will be decreased by ~5 dB

	Value	Condition
Return Loss	>14 dB	
Slot Requirements (including Tx/Rx Modules)	<ul style="list-style-type: none"> <li>• 3 Slots for a single 1+1 Redundancy with Single Link Modules</li> <li>• 5 Slots for two 1+1 Redundancies with Single Link Modules</li> <li>• 3 Slots for two 1+1 Redundancies with Twin Modules</li> </ul>	

## N+1 Redundancy Options

<p>N+1 redundancy options are used to provide a redundant optical link to a number of main links.</p> <ul style="list-style-type: none"> <li>■ Available for 47...1006 MHz or for DC, 950...2150 MHz in 75 Ohm with F (f) connectors</li> <li>■ Available for DC, 950...2150 MHz in 50 Ohm with SMA (f) connectors</li> <li>■ Up to 2 times with single link or twin modules for a 4+1 redundancy option</li> <li>■ A mix of Tx or Rx redundancies is not allowed</li> <li>■ A mix with stand-alone optical Tx or Rx modules is allowed</li> <li>■ A mix with 1+1 redundancy options is not allowed</li> <li>■ Redundancy path Gain Compensation) (RGC) to align the gain of the redundant link with the related main link in case of redundancy switching</li> <li>■ Link gain will be decreased by ~2 dB for main links</li> </ul>		
	<b>Value</b>	<b>Condition</b>
Number of Main Channels (n) per Redundancy Option	4	
Return Loss (Signal Path)	>14 dB	
Slot Requirements (including Tx/Rx Modules)	5 Slots	

## Order Information

### Optribution Chassis

DEV 7134	Smart Intelligent Optribution Chassis; 12 Slots
Option 28	Automatic Switch Back
Option 55	Change Ethernet to optical Ethernet Interface; 30 km
Option 56	Change Ethernet to optical Ethernet Interface; 1530 nm; 100 km
Option 57	Change Ethernet to optical Ethernet Interface; 1550 nm; 100 km

### Cabling Options

Option 40	Cabling for 1 Slot; DC...3000 MHz; 50 Ohm, SMA (f)
Option 41	Cabling for 1 Slot; 10...1006 MHz; 75 Ohm, F (f)
Option 42	Cabling for 1 Slot; DC, 700...2500 MHz; 75 Ohm, F (f)

### 1+1 Redundancy Options

Option 45/50/Rx	1+1 Rx Redundancy Kit; DC, 950...2150 MHz; 50 Ohm, SMA (f)
Option 45/50/Tx	1+1 Tx Redundancy Kit; DC, 950...2150 MHz; 50 Ohm, SMA (f)
Option 45/75/Rx	1+1 Rx Redundancy Kit; DC, 950...2150 MHz; 75 Ohm, F (f)
Option 45/75/Tx	1+1 Tx Redundancy Kit; DC, 950...2150 MHz; 75 Ohm, F (f)

### N+1 Redundancy Options

Option 46/75/4+1	4+1 Redundancy Kit; 47...1006 MHz; 75 Ohm, F (f)
Option 47/50/4+1	4+1 Redundancy Kit; DC, 950...2150 MHz; 50 Ohm, SMA (f)
Option 47/75/4+1	4+1 Redundancy Kit; DC, 950...2150 MHz; 75 Ohm, F (f)

## 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*