Intelligent Optribution Outdoor Chassis



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

Product:

DEV 7152	Intelligent Optribution Outdoor Chassis; 5 Slots

Features:

- Rigid Outdoor Chassis for up to 5 Optical Modules
- 50 Ohm, SMA (f) or N (f), or 75 Ohm, F (f)
- 1+1 Redundancy Options
- Automatic Switch Back / Main Backup Swap Option for 1+1 Redundancies
- 4+1 Redundancy Options
- RGC (Redundancy path Gain Compensation) for n+1 Redundancy
- Optical Ethernet Options
- SNMP Support
- DEV Web Interface
- Signal Recording and Data Backup Feature
- Power Supply Redundancy
- Pole Mount Assembly
- Extended Temperature Range -30…+60 °C (-22…+140 °F)

THE ART OF ENGINEERING

DEV 7152 Intelligent Optribution Outdoor Chassis; 5 Slots

	Value	Condition
Capacity		
Front Side	5 Slots for Optical Modules (max. 5 Twin Modules without redundancy)	
Remote Communication		
Interface (Connector)	Ethernet (RJ-45)	
Remote Control & Surveillance	via Web Interface and via SNMP	
Redundant Power Supply		
Supply Voltage	100…240 V AC	
Power Consumption	<100 VA	
General Specifications		
Size	14.7" (374 mm) Width, 15" (382 mm) Height, 13.2" (335 mm) Depth	
Mounting	via 4 Bolts	
Weight	~17 kg	Empty Chassis
Operating Temperature	-30…+45 °C (-22…+113 °F) -30…+60 °C (-22…+140 °F)	Standard With Option 91

Option 28 Automatic Switch Back / Main Backup Swap

Either functionality can be selected via a configuration menu:

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.

Main Backup Swap:
Main Backup Swap enables the dynamic change of main and backup assignment to realize the autonomous switching from the backup link to the main link in addition to the (standard) autonomous switching from the main link to the backup link.

- Available for 1+1 Rx redundancies

Option 53 Change Ethernet to Ethernet plus SFP Slot

When Option 53 is ordered, the CPU module will include both Ethernet and SFP slot. The additional SFP slot enables remote management and control of the DEV 7152 via an optical link, and open compatibility with CWDM or DWDM optical links

Option 54 SFP Ethernet Module

The SFP Ethernet Module is to be applied in one optical slot. The SFP Ethernet Media Converter can be equipped with any SFP module that is appropriate to the application requirements.

Option 89 Pole Mount Assembly

	Value
Mounting	For Pole Diameters 6.6…10.0" (168…254 mm)

Cabling Options

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

- Available in 50 Ohm with SMA (f) or N (f) connectors, 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.

- 1+1 redundancy options are available in 50 Ohm with SMA (f) connectors, or in 50 Ohm with N (f) connectors, or in 75 Ohm with F (f) connectors
- Up to 2* with single link modules and up to 4* with twin modules (see Slot Requirements below)
- A mix of Tx and Rx redundancies is allowed (see Slot Requirements below)
- A mix of single link modules and twin modules is not allowed
- A mix with stand-alone optical Tx or Rx modules is allowed
- A mix with an n+1 redundancy option is not possible
- Link gain will be decreased by ~5 dB

	Value	Condition
Return Loss	>14 dB	
Slot Requirements (including Tx/Rx Modules)	• 2 Slots for one 1+1 Tx Redundancy with Single Link Modules • 2 Slots for two 1+1 Tx Redundancies with Twin Modules • 4 Slots for two 1+1 Tx Redundancies with Single Link Modules • 5 Slots for four 1+1 Tx Redundancies with Twin Modules • 3 Slots for one 1+1 Rx Redundancy with Single Link Modules • 3 Slots for two 1+1 Rx Redundancies with Twin Modules • 5 Slots for two 1+1 Rx Redundancies with Single Link Modules • 5 Slots for one 1+1 Tx & one Rx Redundancy with Single Link Modules • 5 Slots for two 1+1 Tx & two Rx Redundancies with Twin Modules	

N+1 Redundancy Options

N+1 redundancy options are used to provide a redundant optical link to a number of main links.

- Available for DC, 950…2150 MHz
- Available in 50 Ohm with SMA (f) or N (f) connectors, or in 75 Ohm with F (f) connectors
- A single 4+1 redundancy option can be installed
- A mix with stand-alone optical Tx or Rx modules is allowed
- A mix with an 1+1 redundancy option is not possible
- **R**edundancy path **G**ain **C**ompensation) (RGC) to align the gain of the redundant link with the related main link in case of redundancy switching
- Link gain will be decreased by ~2 dB for main links

	Value	Condition
Number of Main Channels (n)	4	
Return Loss (Signal Path)	>14 dB	
Slot Requirements (including Tx/Rx Modules)	• 3 Slots with Twin Modules • 3 Slots with 1 Single Link Module (Redundancy Channel) and with 2 Twin Modules (Main Channels) • 5 Slots with Single Link Modules	

Order Information

Optribution Chassis	
DEV 7152	Intelligent Optribution Outdoor Chassis; 5 Slots
Option 28	Automatic Switch Back / Main Backup Swap
Option 53	Change Ethernet to Ethernet plus SFP Slot
Option 54	SFP Ethernet Module
Option 89	Pole Mount Assembly
Option 91	-30...+60 extended Temperature Range

Cabling Options	
Option 40	Cabling for 1 Slot; DC…3000 MHz; 50 Ohm, SMA (f)
Option 40 Twin	Cabling for 1 Slot for Twin Module; DC…3000 MHz; 50 Ohm, SMA (f)
Option 40/N	Cabling for 1 Slot; DC…3000 MHz; 50 Ohm, N (f)
Option 40/N Twin	Cabling for 1 Slot for Twin Module; DC…3000 MHz; 50 Ohm, N (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)
Option 42 Twin	Cabling for 1 Slot for Twin Module; DC, 700…2500 MHz; 75 Ohm, F (f)

1+1 Redundancy Options	
Option 45/50/Rx	1+1 Rx Redundancy Kit; 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 45/50N/Rx	1+1 Rx Redundancy Kit; 950…2150 MHz; 50 Ohm, N (f)
Option 45/50N/Tx	1+1 Tx Redundancy Kit; DC, 950…2150 MHz; 50 Ohm, N (f)
Option 45/75/Rx	1+1 Rx Redundancy Kit; 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 47/50/4+1	4+1 Redundancy Kit; DC, 950…2150 MHz; 50 Ohm, SMA (f)
Option 47/50N/4+1	4+1 Redundancy Kit; DC, 950…2150 MHz; 50 Ohm, N (f)
Option 47/75/4+1	4+1 Redundancy Kit; DC, 950…2150 MHz; 75 Ohm, F (f)

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