

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)
- /// 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)

Technical Data

DEV 7152 Intelligent Optribution® Outdoor Chassis; 5 Slots

Capacity

Front side 5 Slots for Optical Modules (max. 4 Twin Modules)

Remote Communication

Interface (Connector) • Ethernet (RJ-45)
Remote Control & Surveillance (Interface) • via Web Interface (Ethernet)
• via SNMP (Ethernet)

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)
Ingress Protection Rating IP55 (only in Combination with DEV 78xy)

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

Option 58 Additional Ethernet Port with integrated Switch Functionality; only in Conjunction with Option 55, 56 or 57

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.

With applied Option 58 in addition to one of these options, the device provides a second 100Base-TX Ethernet interface with RJ-45 connector with integrated switch functionality.

Option 89 Pole Mount Assembly

Mounting for Pole Diameters 6.6...10.0" (168...254 mm)

Option 91 -30...+60 extended Temperature Range

Operating Temperature -30...+60 °C (-22...+140 °F)

N+1 Redundancy Options

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

- A single 4+1 redundancy option can be installed
- A mix with stand-alone optical Tx or Rx modules is allowed
- Redundancy path **G**ain **C**ompensation) (RGC) to align the gain of the redundant link with the respective main link in case of redundancy switching
- Link gain for main links will be decreased by ~2 dB

Number of Main Channels (n) 4

Return Loss (Signal Path) >14 dB

Slot Requirements

- 5 Slots with Single Link Modules
- 3 Slots with Twin Modules
- 3 Slots with 1 Single Link Module (Redundancy Channel) and with 2 Twin Modules (Main Channels)

Cabling Options

Cabling options are used for stand-alone optical Tx or Rx modules, to be configured per module.

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

Order Information

Optribution® Chassis

DEV 7152	Intelligent Optribution® Outdoor Chassis; 5 Slots
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
Option 58	Additional Ethernet Port with integrated Switch Functionality; only in Conjunction with Option 55, 56 or 57
Option 78	Additional Web License 3-4 RU
Option 89	Pole Mount Assembly
Option 91	-30...+60 extended Temperature Range

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)

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...2300 MHz; 75 Ohm, F (f)
Option 42 Twin	Cabling for 1 Slot for Twin Module; DC, 700...2300 MHz; 75 Ohm, F (f)

Optical Breakout Cables

DEV 7811	4 Fiber Optribution® Breakout Cable 10 m; SC/APC
Option 49	Additional 5 m, 4 Fibers
DEV 7812	8 Fiber Optribution® Breakout Cable 10 m; SC/APC
Option 49	Additional 5 m, 8 Fibers
DEV 7824	4 Fiber Optribution® Breakout Cable 10 m; SC/APC; with 230 V Cabling
Option 49	Additional 5 m, 4 Fibers with 230 V Cabling
DEV 7825	8 Fiber Optribution® Breakout Cable 10 m; SC/APC; with 230 V Cabling
Option 49	Additional 5 m, 8 Fibers with 230 V Cabling
Optical Connector Options for Optical Breakout Cables	
Option 07	FC/APC Optical Connector
Option 08	E2000/HRL Optical Connector

Contact

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

Rev. 20-Oct-2016
Technical specifications are subject to change