

STRATUM LinX OP PASSIVE OPTICAL HUB FOR FTTB NETWORKS



- For FTTB networks with up to 16 nodes/segment
- Element of CWDM networks
- Fully passive solution

GENERAL DESCRIPTION

The STRATUM LinX OP passive optical hub replaces the optical node when rebuilding a classical HFC system to FTTB. This device allows upstream wavelength multiplexing in case of single fiber bidirectional networks. It acts as a splitter for 1550 nm downstream signals, while the remaining wavelengths as signals arriving from different reverse path segments will be multiplexed.

TECHNICAL SPECIFICATIONS

Forward path parameters

Wavelength [nm]	1550±10
Insertion loss [dB]	<15.5
Directivity [dB]	>50

Reverse path parameters

	LX-OP-xx-08	LX-OP-xx-16
Wavelength [nm]	1450...1610	1270...1610
Nominal optical channel bandwidth [nm]	20	
Insertion loss (channel dependent) [dB]	<3.5 ⁽¹⁾	
Adjacent channel isolation [dB]	>30	
Non-adjacent channel isolation [dB]	>40	

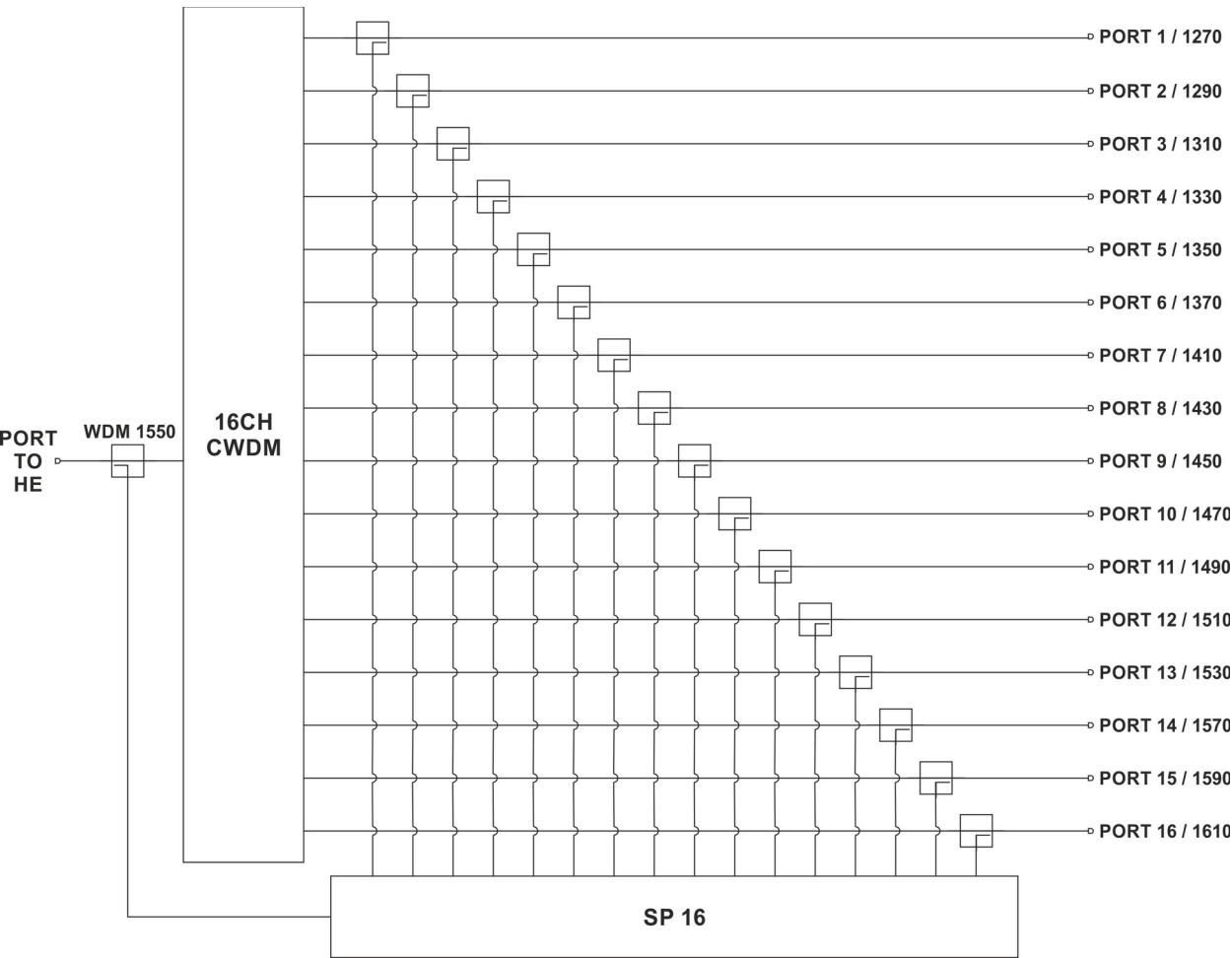
General parameters

Optical connector	LC/APC
Degree of protection	IP54
Temperature range [°C]	-20...+55
Dimensions [mm]	252x215x120
Weight [kg]	2.7

(1) Insertion loss values are assigned to each ports to compensate the wavelength dependent attenuation of the fiber.

Specifications are subject to change without notice!

BLOCK DIAGRAM



ORDERING INFORMATION

L X - O P - X X - X X - L A

Type of housing	
DC	Outdoor die-cast

Number of segments	
08	8 CWDM segments
16	16 CWDM segments

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