Ascentac

C-band DWDM & CWDM (Outdoor Box)

Ascentac MFNS7800 & 7900

Maximizing Network Capacity with Low Cost and High Efficiency

Ascentac MFNS7800 & 7900 Series, C-band DWDM & CWDM, can combine multiple wavelengths from different fibers via optical multiplexer onto one single fiber for transmission. It is used for 5G wireless fronthaul optical data transport network solution.

Ascentac MFNS7800 & 7900 Series features low power consumption, low insertion loss and high isolation. It also has excellent wavelength stability. The initial wavelength and number of channels are specifiable.

The outdoor enclosure design is convenient for mounting on wall. This enclosure also complies with the IP55-rated resistance level under the IEC 60529.

Benefits

- Excellent wavelength stability
- Low insertion loss and high isolation
- Up to 40 λ available, initial wavelength and number of channels specifiable
- LC connector

Application

- Data center or FTTH
- Fiber monitoring
- CATV network
- 4G or 5G fronthaul

Description

① Eaves design for rainproof

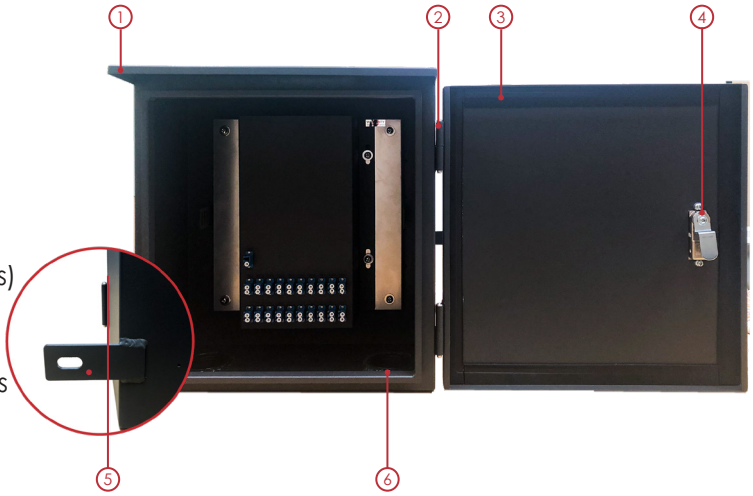
② Door opening angle > 180 degree

③ Foam gasket inside the door frame for dustproof, waterproof & crashproof

④ Handle lock for burglarproof (With 2 keys)

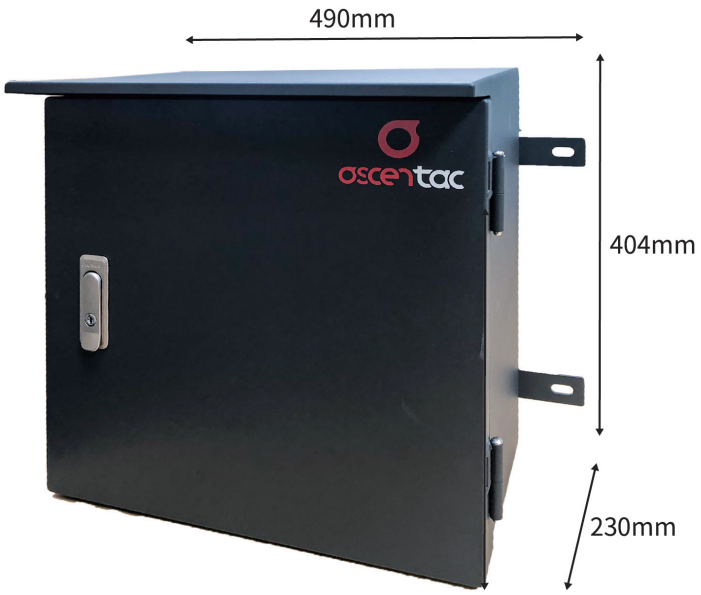
⑤ Mounting ears

⑥ Bottom panel with holes for optical fibers

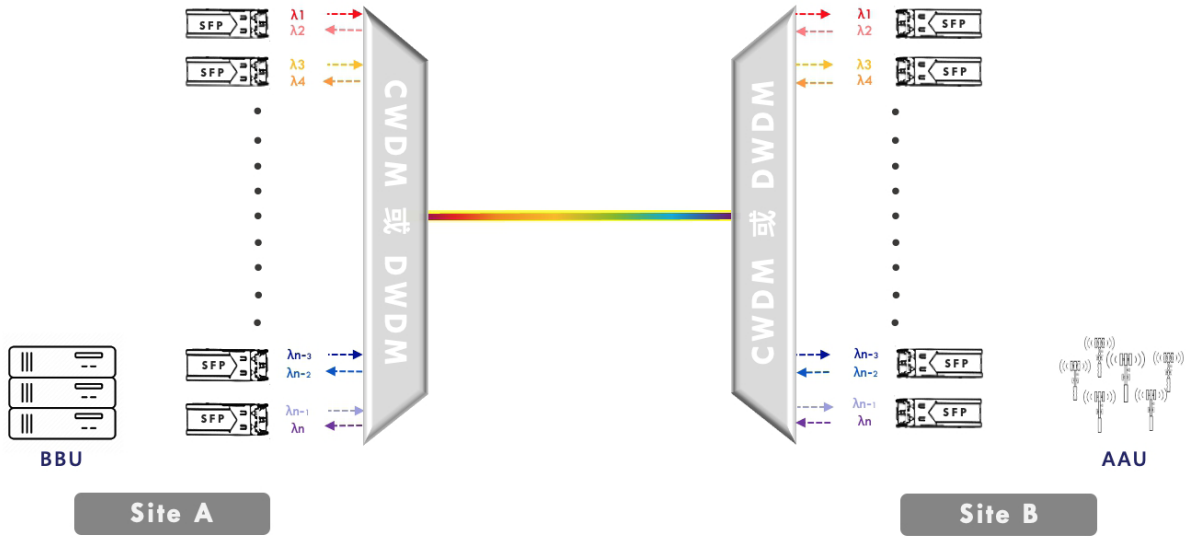


IP55 Wall-mounted Outdoor Enclosure

Come with mounting ears in the back for mounting on wall to save space efficiently



Save Fiber Resources Through Transmitting Multiple Wavelengths on One Optical Fiber



BBU：Base Band Unit
AAU：Active Antenna Unit
SFP：Small Form-factor Pluggable
WDM：Wavelength Division Multiplexing
CWDM：Coarse Wavelength Division Multiplexing
DWDM：Dense Wavelength Division Multiplexing

Specification

C-band DWDM & CWDM (Outdoor Box)			
Model		MFNS7800 (C band DWDM)	MFNS7900 (CWDM)
Wavelength Range		192.0 – 195.9(THz)	1271 – 1611 (nm)
Maximum Channel		40	18
Channel Spacing		100(GHz)	20 (nm)
Insertion Loss (dB)	COM → Channel	3.9	3.2
	COM → Mon	18.6	18.6
	Channel → Mon	22	21.3
Channel Isolation (dB)	Adjacent	25	30
	Non-adjacent	30	45
Return Loss (dB)		40	
Optical Connector		LC/PC	
Working Temperature (°C)		0 to +65	
Storage Temperature (°C)		-20 to +70	
Relative Humidity (%)		5 to 95 , Non-condensing	
Size (H x W x D) (mm)		404 x 490 x 230	
Weight (kg)		< 5	

Ordering Information

C band DWDM

MFNS 07-078 XX

Channel
01：12-CH, 12 wavelengths (6 pairs of TXs & RXs)
02：16-CH, 16 wavelengths (8 pairs of TXs & RXs)
03：20-CH, 20 wavelengths (10 pairs of TXs & RXs)
04：24-CH, 24 wavelengths (12 pairs of TXs & RXs)
05：28-CH, 28 wavelengths (14 pairs of TXs & RXs)
06：32-CH, 32 wavelengths (16 pairs of TXs & RXs)
07：36-CH, 36 wavelengths (18 pairs of TXs & RXs)
08：40-CH, 40 wavelengths (20 pairs of TXs & RXs)

* TX: Transmit; RX: Receive

Note：1. Please specify wavelengths after choosing the number of channel.
(Options for wavelengths: 192.0THz, 192.1THz, 192.2THz, 192.3THz, 192.4THz, and so forth. Only until 195.9THz)

Example： MFNS 07-07801
Wavelength： 192.0THz、192.1THz、193.2THz、193.3THz、193.6THz、193.7THz、194.4THz、194.5THz、194.6THz、194.7THz、195.8THz、195.9THz。

MFNS 07-079 XX

Channel
01：6-CH, 6 wavelengths (3 pairs of TXs & RXs)
02：8-CH, 8 wavelengths (4 pairs of TXs & RXs)
03：12-CH, 12 wavelengths (6 pairs of TXs & RXs)
04：18-CH, 18 wavelengths (9 pairs of TXs & RXs)

* TX: Transmit; RX: Receive

Note：1. Please specify wavelengths after choosing the number of channel.
(Options for wavelengths: 1271nm, 1291nm, 1311nm, 1331nm, 1351nm, 1371nm, 1391nm, 1411nm, 1431nm, 1451nm, 1471nm, 1491nm, 1511nm, 1531nm, 1551nm, 1571nm, 1591nm & 1611nm)

Example：MFNS 07-07901
Wavelengths：1271nm、1291nm、1311nm、1331nm、1591nm、1611nm。

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Take your network best.

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