ATB3120-S-8 Datasheet

Building an Efficient Fiber Infrastructure.

Overview

The ATB3120-S-8 ADU (Active Distribution Unit) is an active optical device used to connect the main FTTR and the sub FTTR. It provides optical signals and power input for the sub FTTR. The products can be installed in an indoor information box or on a wall.

Features & Benefits

- Photoelectric composite interface
- Multi-level splitting
- Unified Puyu 2.0 appearance design
- No need for closure opening, simplifying fiber connection and disconnection

Structure

Port Distribution Table

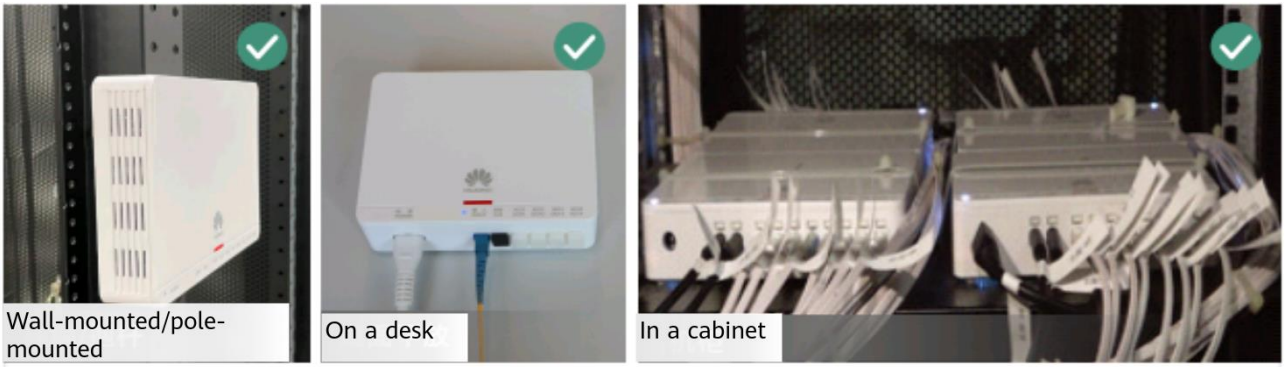
POWER	 Category J
INPUT	Photoelectric input port
SUB	Optical cascade port
OUT1, OUT2, OUT3, OUT4, OUT5, OUT6, OUT7, OUT8	Photoelectric output port

Specifications

Dimensions (H x W x D, mm)	160 x 110 x 32
Port type	XC/UPC
Installation mode	Indoor wall-mounted, or deployed inside the information box **NOTE** • Do not install the device outdoors. • Do not install the device in an indoor environment with water intrusion risks.
Power supply mode	Power supply by power adapter
Rated voltage (Output)	54–56 V
Rated current (Output)	2 A
Material	PC
Flame spread rating	UL94-V0
IK impact	IK06
IP rating	IP20
Color	White (YB816)

NOTICE

Do not install an ADU (including the power adapter) in a damp environment that may cause water dripping or attract lightning strikes; otherwise, the device may be damaged.



Install the device in an information box or on a desk/wall/pole in a well-ventilated and clean indoor environment.

The ADU is installed in a humid ELV well, below an air conditioner, in outdoor/semi-outdoor space, or on the ground/overhead with suspended cables.

The ports on an ADU cannot face upwards.

The ports on an ADU face upwards

* When installing indoors on a wall, it is recommended that the installation be placed in a well-ventilated place to avoid human contact.

Optical Parameters

Operation bandwidth		1260 nm to 1550 nm
Split ratio		Uneven 1:9
Insertion loss	**From INPUT port to OUT1/2/3/4/5/6/7/8 port**	≤ 16.3 dB
	From INPUT port to SUB port	≤ 2.4 dB
Return loss		≥ 50 dB

NOTE

1. The preceding data is the results of tests carried under 1310/1550 nm wavelength and room temperature.
2. The preceding insertion loss includes the insertion loss of the connectors.
3. The end face of connector must be cleaned before the test.

Environmental Parameters

Working temperature	0°C to 45°C
Working humidity	5% to 95% (non-condensing)

Adapter Performance Specifications

Insertion loss	≤ 0.5 dB

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