

GTP-NS21-08CM

OLT Stick Specification| GPON OLT STICK

Features

- Single - fiber bidirectional high - speed transmission
- Downstream: 2.488Gbps
- Upstream: 1.244Gbps
- With GPON MAC function
- SFP+ package
- SC interface
- Hot-swappable function
- Support 8km single - fiber optical transmission distance
- Low power consumption: <2.5W
- Operating temperature: 0°C to 70°C
- Maximum support for 16/32 ONU terminals in GPON mode



Product Introduction

The GPON OLT STICK is a plug - in module newly launched by ASCENTOPTICS. It can quickly upgrade and transform existing access equipment into GPON optical line terminal (OLT) equipment. With its compact plug - in design, it can be flexibly deployed according to different service requirements, reducing equipment space occupation and maintenance costs, and helping network transformation and the arrival of the all - optical network era.

Specifications

Item	Specification
Interface	1*GPON
PON	Physical interface: PON interface
	Type: Class B+
	Maximum split ratio: 1:16/1:32
	Complies with standard GPON protocol, compatible with mainstream HUG ONU terminals on the market
Rate	Downstream: 2.488Gbps application, with GPON MAC function
	Upstream: 1.244Gbps application, with GPON MAC function

Dimensions	75mm x 22mm x 12mm
Weight	<30g
Environment	Operating temperature: 0°C~70°C (Commercial grade) Storage humidity: 5%~95% (no condensation)
Power Supply	3.3V
Power Consumption	<2.5W
Optical Power	<2dBm
DDMI	Supported
Management Function	Http/telnet/SSH/TR069
SFP MSA Standard	SFP+ package, compatible with 1.25G/2.5G/10G optical interfaces

Order Information

Part No.	Description
GTP-NS21-08CM	GPON OLT STICK, 1310/1490nm, 8KM

Version History

Date	Version	Description
2025.10.17	V1.1	First Release

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