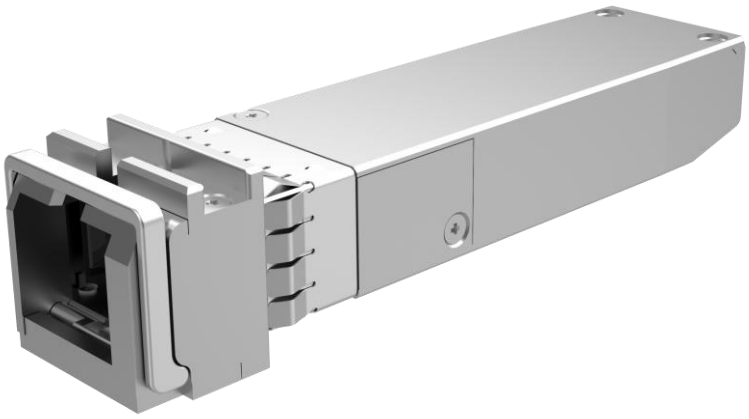
Huawei OptiXstar S600E Datasheet

GPON SFP ONU

Product Overview

Huawei OptiXstar S600E is a miniature GPON SFP ONU device that can be inserted into the SFP port of a camera or AP device to provide GPON access for the device to meet the requirements of video backhaul or wireless backhaul.



NOTE

- The device supports a maximum of 1K MAC addresses. Ensure that the number of MAC addresses accessing the device does not exceed 1K.
- Before connecting a Huawei AP, AR, or camera to the device, test the functions, heat dissipation, and power supply of the products to ensure that they meet the requirements.
- Before connecting a non-Huawei AP, AR, or camera to the device, test the functions, heat dissipation, and power supply of the products under the assistance of the product vendors to ensure that they meet the requirements.

Product Highlights

- Small size and light weight, suitable for installation on camera or AP equipment.
- Supports －40° C to +85° C(Shell temperature) wide temperature range with strong environment adaptability.
- High reliability, Type B dual-homing service protection, 50ms switching time.
- High security, support secure boot.
- Multi-network convergence, supporting hard-isolated.

Technical Specifications

Dimensions	56.5mm x 13.6mm x 12.7mm	**System power supply**	3.3 V
Weight	About 23 g	**NNI**	GPON
Operating temperature	–40°C to +85°C(Shell temperature)	**UNI**	GE/2.5GE/5GE/10GE interface adaptive
Operating humidity	5%RH to 95%RH (non-condensing)	**Maximum power consumption**	1.5 W

Port Parameters

NNI	UNI
• Port type: SC/APC • Standard compliance: ITU-T G.984.2, Class B+ • Receiver sensitivity: ≤-27dBm • Overload optical power: ≥-8dBm • TX optical power: 0.5dBm to 5dBm • Extinction ratio (ER): ≥8.2dB • Transmission rate: RX: 2.488 Gbit/s; TX: 1.244 Gbit/s • TX wavelength range: 1290 nm to 1330 nm(Center wavelength:1310 nm) • RX wavelength range: 1480 nm to 1500 nm(Center wavelength:1490 nm)	• GE/2.5GE/5GE/10GE interface adaptive

Function List

Smart O&M	Multicast	QoS
• Variable-length OMCI messages • Rogue ONT detection and isolation from the OLT • PPPoE/DHCP simulation testing	• IGMP v2/v3 snooping • MLD v1/v2 snooping • Fast leave • VLAN tag translation, transparent transmission, and removal for downstream multicast packets • IGMP/MLD protocol packet rate limitation	• Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation • Flow mapping based on the VLAN ID, port ID, or/and 802.1p
Common O&M	**Security**	
• OMCI • Dual-system software backup and rollback • 802.1ag Ethernet OAM • Optical link measurement and	• MAC address filtering • Hard-Isolated	

diagnosis		

Huawei Technologies Co., Ltd.

Address:Huawei Industrial Base Bantian, Longgang Shenzhen 518129 People's Republic of China

Website:www.huawei.com