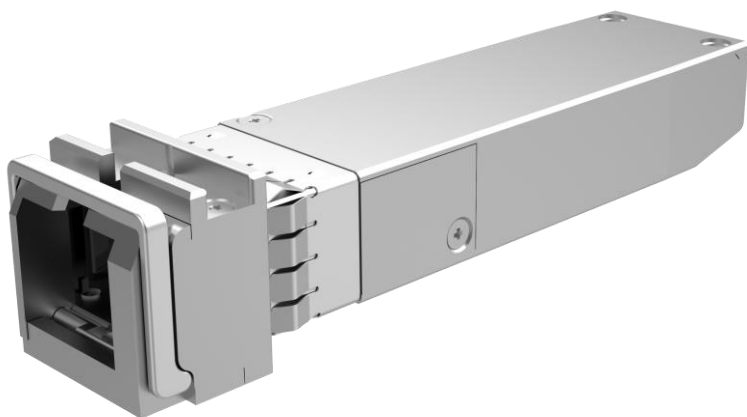


Huawei OptiXstar S600E Datasheet

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 $+85^{\circ}\text{C}$ (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 |
|--|--|
| <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> GE/2.5GE/5GE/10GE interface adaptive |

Function List


| Smart O&M | Multicast | QoS |
|--|---|--|
| <ul style="list-style-type: none"> Variable-length OMCI messages Rogue ONT detection and isolation from the OLT PPPoE/DHCP simulation testing | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | |
| <ul style="list-style-type: none"> OMCI Dual-system software backup and rollback 802.1ag Ethernet OAM Optical link measurement and | <ul style="list-style-type: none"> MAC address filtering Hard-Isolated | |

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