

OptiXstar T650E Datasheet

Industrial ORU

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Overview

The OptiXstar T650E is an industrial-grade optical regeneration unit (ORU) in Huawei's Industry OptiX solution. It is applicable to industrial production scenarios such as highway and pipeline networks that require high-performance forwarding.



Features & Benefits

- Industrial-grade design, high reliability, and high protection level
 - -40°C to $+70^{\circ}\text{C}$ wide temperature range, strong environment adaptability
- Easy deployment and O&M
 - DIN guide rail mounting mode

Product Specifications

| | | | |
|-----------------------------------|--|----------------------------------|--|
| Dimensions (H x W x D) | 150 mm x 133 mm x 44 mm | Upstream port | GPON(BOB) |
| Weight (excluding adapter) | 0.75Kg | Static power consumption | 7W |
| Operating temperature | -40°C to $+70^{\circ}\text{C}$ NOTE When the device is cold started | Maximum power consumption | 19.4W NOTE When the temperature is low, the |

| | | | |
|------------------------------|---|--|---|
| | at a temperature lower than – 10°C, the built-in heater needs to be started to preheat the device for about 10 minutes. | | heater is turned on. In this case, the power consumption is 18 W. |
| Operating humidity | 5%–95% RH, non-condensing | Atmospheric pressure and altitude | 86Kpa ~ 106 Kpa; lower than 5000 m |
| Heat dissipation mode | Natural heat dissipation | Surge protection specifications | GE: 2.5 kV in common mode and 0.5 kV in differential mode AC power port: 6 kV in common mode and 6 kV in differential mode |
| System power supply | AC: 90~264V | Protection rating | IP40 |
| Downstream port | GPON(SFP) | Installation mode | Guide rail or wall mounted |

Port Parameters

| Upstream port | Downstream port |
|--|---|
| <ul style="list-style-type: none"> GPON Port type: SC/UPC GPON: <ul style="list-style-type: none"> Complies with ITU-T G.984, Class B+ Receiver sensitivity: -28.5 dBm ~ -29dBm Overload optical power: -8 dBm Transmission rate: 2.488 Gbit/ downstream and 1.244 Gbit/s upstream | <ul style="list-style-type: none"> Port type: SC/UPC GPON <ul style="list-style-type: none"> Complies with ITU-T G.984, Class C+ Receiver sensitivity: -30dBm Overload optical power: -12dBm Transmission rate: 2.488 Gbit/ downstream and 1.244 Gbit/s upstream |


Product Functions

| Automatic service provisioning |
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| <ul style="list-style-type: none"> Authentication exemption XML/OMCI |

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