OptiXstar T650E Datasheet

Industrial ORU   Date: 2023-12-04

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°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°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

• GPON
• Port type: SC/UPC
• GPON:
  − 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
	• Port type: SC/UPC
	• GPON
	  − Complies with ITU-T G.984, Class C+
	  − Receiver sensitivity: -30dBm
	  − Overload optical power: -12dBm
	  − ransmission rate: 2.488 Gbit/ downstream and 1.244 Gbit/s upstream

Product Functions

Automatic service provisioning
• Authentication exemption • XML/OMCI

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