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Optical interconnect technology innovator

SFP28 Checker
PN: 25G SFP28 AOC CHECKER

Features

♦ 10Gbps，25Gbps，28Gbps BERT

♦ SFP status checker

♦ Friendly graphic user interface (GUI)

♦ 2 SFP28 ports

♦ Working independently without PC

♦ 5V~12V DC power supply

♦ Small form & full metal case

♦ Mini-USB connection

Applications

♦ Bit error rate test

♦ SFP+, SFP28 module, SFP+ AOC/DAC,SFP28 AOC /DAC test

♦ Module power measurement

♦ GUI Operating environment: Win XP, Win 7, Win8 and Win10

Description

The SFP28 Checker is an instrument which can help you to test SFP+, SFP28 module ,SFP + AOC/DAC, SFP28 AOC/DAC

It can help you to read the internal memory EEPROM of the modules and display details of the EEPROM (such as the Part Number, Vendor Name, description and range.), monitor all DDM information. You can change the EEPROM if you know the module passwords . In addition it can measure the power of the module.

The SFP28 Checker combines the Serial Pattern Generator, Bit Error Rate Analyzer. It provides common transmission rate for 10G, 25G and 28G,

The friendly graphic user interface (GUI) provides clear monitoring for bit error rate, bit error counter, time, status, power of the module, selection of data rate and PRBS pattern.

Working mode

1. SFP+   10G
    In this mode, SFP+ module, SFP+ AOC/DAC can be tested. Two modules at the same time, one by one, single channel by single channel, all are supported.
    In addition, you can use two "SFP28 Checker" if the AOC or DAC can't be inserted into one SFP28 Checker. But in this mode, two SFP28 Checkers connected to one PC is not supported.

2. SFP28_25G   or SFP28_28G
    In these two modes, SFP28 module, SFP28 AOC/DAC can be tested. Two modules at the same time, one by one, single channel by single channel, all are supported.
    In addition, you can use two "SFP28 Checker" if the AOC or DAC can't be inserted into one SFP28 Checker. But in these two modes, two SFP28 Checkers connected to one PC is not supported.

3. Without PC
    The SFP28 Checker can working independently .You can choose the work mode from the GUI and save it to the SFP28 Checker (Factory setting is 10G), then the Checker can work as you wanted.   The SFP28 Checker will not change its working mode even if it is power down, you can get the main message from the four LED, such as working mode, Bit Error test is OK or NG. ,

Absolute Maximum Ratings

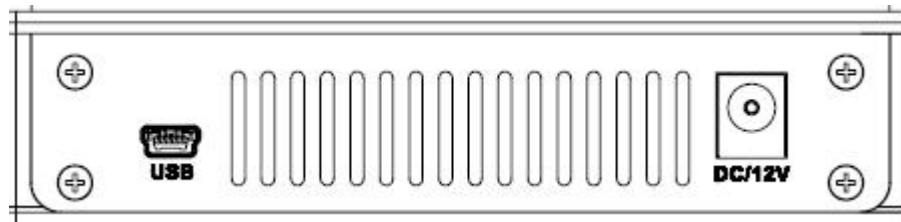| Parameter	Symbol	Min	Max	Unit
Supply Voltage	Vcc	-0.5	16	V
Storage Temperature	Ts	-10	+70	°C

Technical Specifications

Parameter		Symbol	Min	Typical	Max	Unit
Operating Case Temperature	Standard	Tc	-10		+50	°C
Operating Humidity		-	5		85 non-condensing	%
Power Supply Voltage		Vcc	5	12	16	V
Physical Dimensions			160(W)x110(D) x24(H)			mm

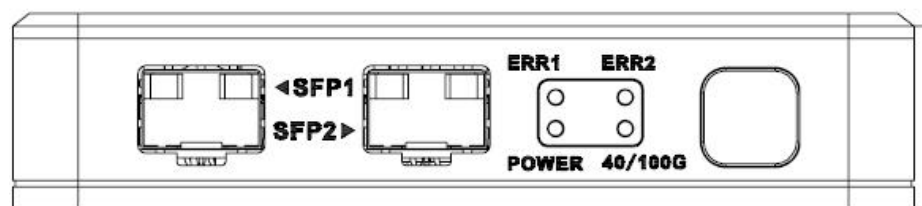# Optical and Electrical Characteristics

Main Frame	
SFP ports	Standard SFP 20pin with Cage
Transmission rate	10.3Gbps, 25.78125Gbps 27.9525Gbps
Pattern Generator	PRBS7, PRBS9, PRBS21, PRBS23, PRBS31
Module Power measured	
supply current	0~3000mA
Accuracy	±15%

Hardware Configuration

1. MINI USB and   DC Power

2. SFP28   PORTS   and work status

SFP1,SFP2: support 10G,25G,28G
KEY: Restart testing
LED:

ERR1: Indicates test result of SFP1, if any one of the four channels BER (bit error of rate) is not zero, it will be red

ERR2: Indicates test result of QSFP2, if any one of the four channels BER (bit error of rate) is not zero, it will be red

Power: two functions: one is power indicator, the other is working mode
When the working mode is SFP28_28G, it will blink
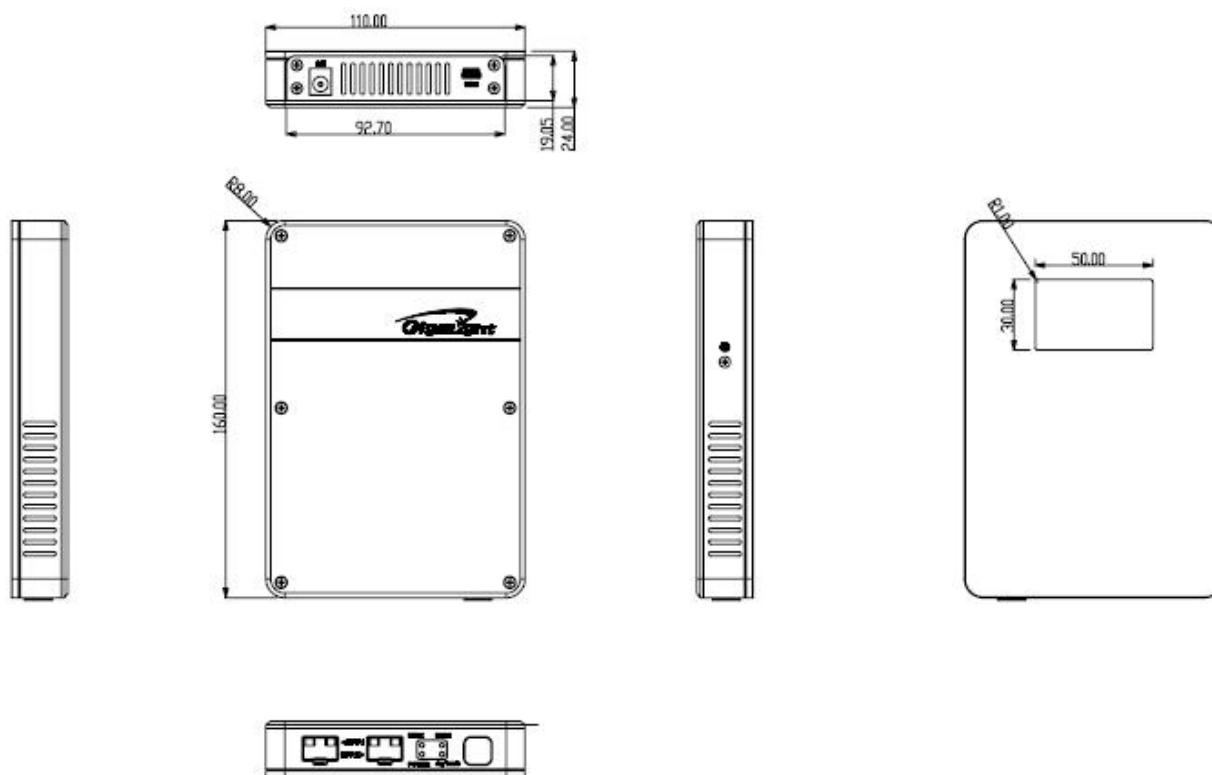
10/25/28G:

   10G: OFF
   25G: ON
   28G: ON[1]

In 112G   mode, the power led blink

ERR1，ERR2 is no function when the "Checker" is   connected to PC

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Mechanical Dimensions

Ordering information

Part Number	Product Description
25G SFP28 AOC CHECKER	25G SFP28 AOC CHECKER is an test instrument which combines 10Gbps,25Gbps,28Gbps Bit error rate test, DDM Checking, EEPROM coding function, etc.

Important Notice

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