

Hunter BERT-10G-4F



Hunter BERT-10G-4F is a multi-channel, multi rate, high-performance, and high-quality bit error rate tester. It includes a pattern generator, clock generation and recovery circuit, and error code analyzer; Provide an integrated computer graphical interface interface for controlling error codes and API software interfaces for users to program and control; Lower power consumption and compact size make building a testing environment simpler.

Key Features

- Support 4 independent PRBS generators and 4 independent PRBS analyzers, with external SFP optical interfaces
- Support rates: 155M, 622M, 1.25G, 2.125G, 2.488G, 2.5G, 2.67G, 3.125G, 4.25G, 6.144G, 6.25G, 8.5G, 9.95G, 10.3G, 10.71G, 11.1G, 11.3G, 12.5G, 14G, 15G
- Support code types: PRBS 2^7-1 , PRBS 2^9-1 , PRBS $2^{15}-1$, PRBS $2^{23}-1$, PRBS $2^{31}-1$
- Equipped with a display screen, supporting button control and PC graphical interface control
- Provide DLL software interface and support secondary development
- Supports 1 differential clock output, SMA interface

Specifications

Hardware and electrical characteristics	
Power	220V AC
Dimension(W*H*D)	340mm*115mm*240mm
Weight	4kg
Power consumption	30W
Communication interface	USB, supports programmable control
Operating temperature	-10~55° C
Storage temperature	-40~85° C
Humidity	15%~85%
Error bit interface indicators	
Port number	4
Port type	SFP/SFP+ Optical interface
Rate	155M, 622M, 1.25G, 2.125G, 2.488G, 2.5G, 2.67G, 3.125G, 4.25G, 6.144G, 6.25G, 8.5G, 9.95G, 10.3G, 10.71G, 11.1G, 11.3G, 12.5G, 14G and 15G, Generator&detector support data inversion
PRBS code type	PRBS 2^7-1 , PRBS 2^9-1 , PRBS $2^{15}-1$, PRBS $2^{23}-1$, PRBS $2^{31}-1$
Frequency accuracy	50ppm
Clock interface indicators	
Port number	1 pair of differential clocks
Port type	2*SMA
Frequency	77.76M~3.8G 1/4 clock for speeds of 7.4Gbps and above, and 1/2 clock for speeds of 7.4Gbps and below
Software Platform	
Test software	HunterATE-BOB
Language	Simplified Chinese, English