

InnoLight 10G BERT BE5001





Features

- Support four data rate:
 - > 9.95G, 10.3G, 10.7G, up to 11.1Gbps
- Support PRBS7, PRBS31, and user pattern (PPG) unit
- Internal synchronized Error Detect(ED) unit.
- Synchronized trigger output
- Built in optical transceiver can provide optical output and input, LR and SR optical interface available
- •2-IN-1 BERT, measure electrical and optical BER simultaneously
- Electrical and optical can be configured to loopback mode



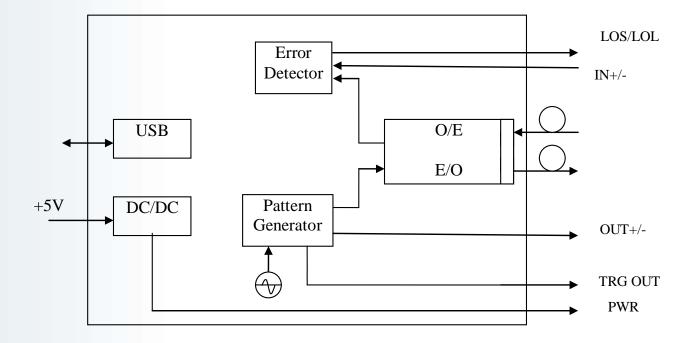


Advantages of Using InnoLight BERT

- Ultra low cost solution for 10G mass production test
- Performance compatible with commercial BERT
 Simple function(PPG/ED/built in light source) but ultra low price
- Real time technical support from InnoLight local engineer. We can support test system setup, ATE program development
- PC based friendly UI and remote control available through USB



Structure of InnoLight BERT





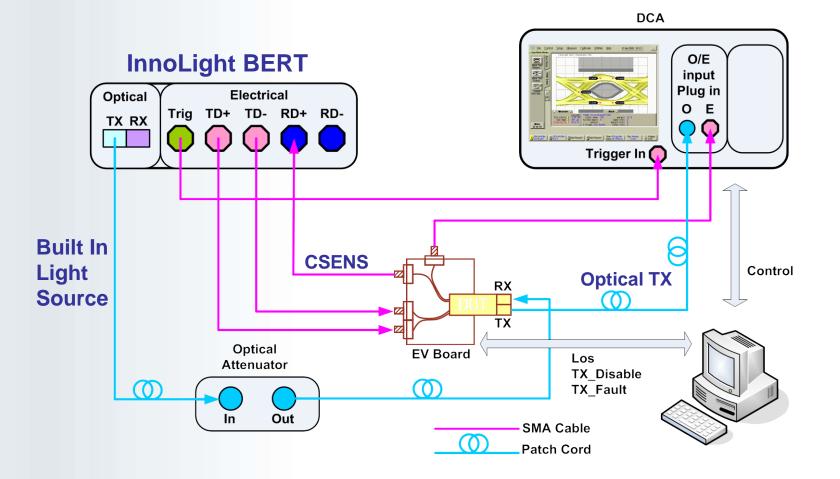
Friendly user interface

Bit Error Rate Measurement - BE5001			
<u>F</u> ile <u>Connection</u> Configu	ration <u>H</u> elp	Friday, September 28, 2008 10:16:22 PM	• 10 前我
BER		1.0E-13 Optical Input	LĨĞĤŤ
Data Input	Data Rate	Gating	
Optical Receiver	9.95 Gbit/s	© 0.0001 s	LASER ON
Electrical Receiver	10.3 Gbit/s	0.1 s	LASER ON
Both Receiver	10.7 Gbit/s	© 100 s	SINGLE GATING
	11.1 Gbit/s	⊘ Arb 0.2 s	REPEAT GATING
Electrical Tx Polarity	Optical Tx Polarity	Laser	STOP GATING
Non-invert	Non-invert	On	
Invert	Invert	© Off	LOG OFF
Electrical Rx Polarity	Optical Rx Polarity	PRBS Pattern	SETUP SETUP MODE ON
Non-invert	Non-invert	PRBS-7	LOL(0) ERR
 Invert 	Invert	PRBS-31	 LOL(O) ERR LOS(E) ERR
Pass/Fial Threshould		O User Pattern	SYNCL(E) ERR
RxO 1E-10	RxE 1E-10		
Gating Progress		0.0%	
BIT ERROR RATE MEASUREMENT - BE5001 Cinnolight Technologies, Inc. 2008 VERSION 1.7.0			

Labview based hardware driver library available for customer to develop their own auto-test system

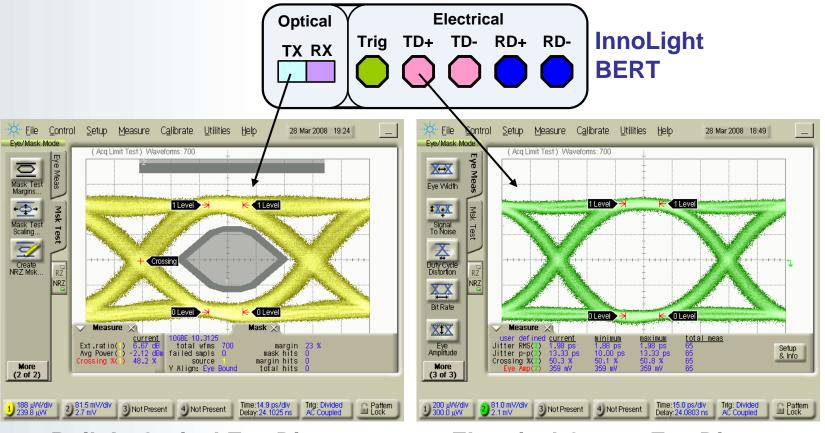


A Full Function Low Cost SFP+/XFP ATE w/ InnoLight BERT





Performance Summary

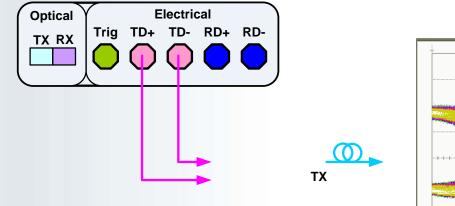


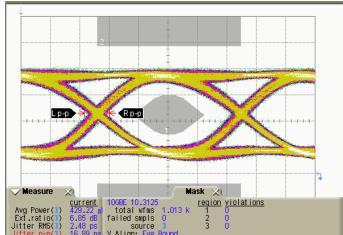
Built In Optical Eye Diagram

Electrical Output Eye Diagram



Performance Summary

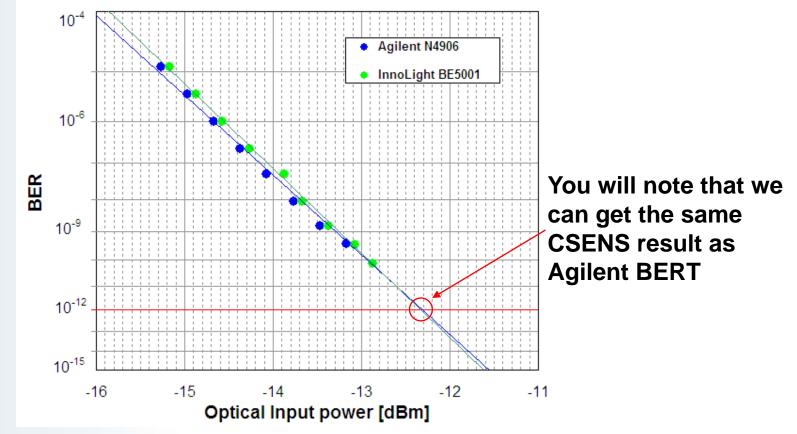




Electrical output droved XFP LR DUT TX Optical Eye Diagram



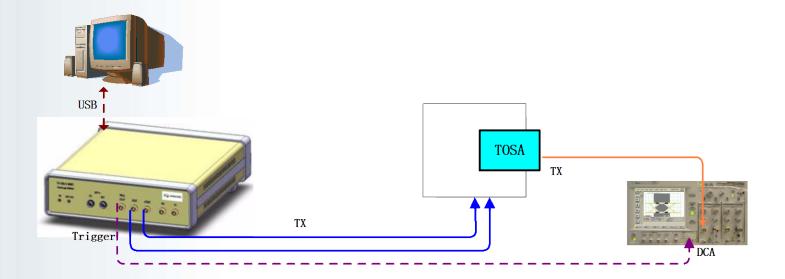
Performance Summary



CSENS BER Curve Comparing with Agilent N4906 BERT with proposed test setup configuration <Page5>

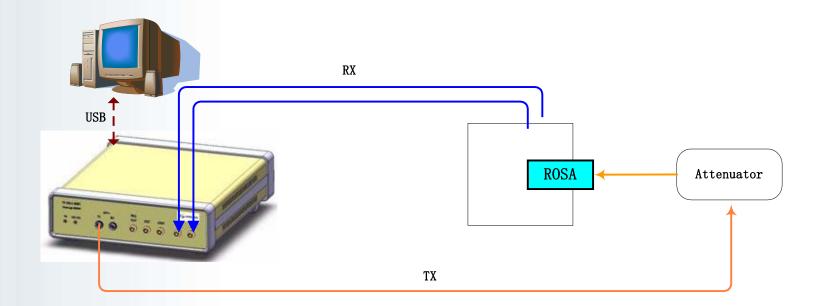


Low Cost Solution for 10G TOSA Test





Low Cost Solution for 10G ROSA Test





Support and Services from InnoLight:

- One year free warranty
- Following engineering services available:
 - Calibration and Software upgrade
 - Engineer supporting of set up the low cost test system
 - Develop the one-touch automatic test program
 - Develop the parallel test process for test time reduction