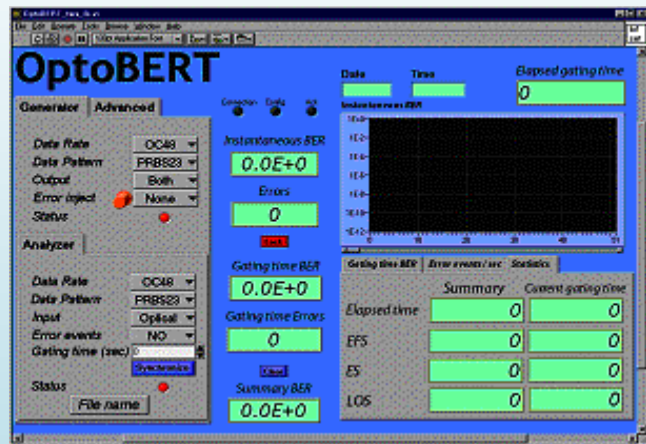
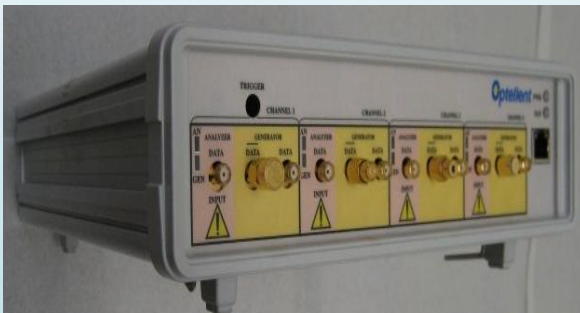


Testing Made Simple



Cost-effective 0.1 – 30 Gbps Electrical & Optical BER Testers, Pattern Generators, Oscilloscopes, and Optical Switch

Test Applications

- Production of Optical Transceivers, Transponders
- Opto-Electronic Components and Devices (TOSAs/ ROSAs,)
- QSFP, CFP, CXP modules, Active Optical Cables
- High-speed ICs, modules and boards
- Troubleshooting WDM optical networks
- Research Labs and Universities



Low cost, High productivity

That is the premise behind OPTELLENT's OptoBERT™ family of Electrical/Optical bit-error-ratio testers (BERTs) and Data/Pattern Generators. The OptoBERT™ testers feature:

- Integrated pattern generator and bit-error-rate analyzer
- Internal reference frequency
- Both electrical and optical interfaces
- Multiple patterns: PRBS, stress, and User-defined patterns
- Intuitive GUI and automated test reports
- Easy-to-use, cost-efficient and compact
- 2-year standard warranty & Low Cost of ownership

Besides offering industry-leading lead times, Optellent specializes in customizing test equipment to meet the specific needs of its customers. Optellent has successfully incorporated custom patterns, MZ drivers, clock and data recovery options, etc., for its customers. Optellent is committed to supporting its customers with integration of our test equipment into their test suites.

Software

The OptoBERT™ and the Data/Pattern Generators family of products features software that runs on Windows 98/2000/NT, XP, VISTA, Windows 7 over an RS-232 serial interface via an RJ-45 connector. An optional RS-232-to-USB converter is available

Software drivers are available for incorporating the OptoBERT into test automation suites using programs like C++, LabVIEW, VisualBASIC, and Agilent VEE.

OPS-Series Optical Switch



The OPTELLENT OPS-Series Optical Switch is a cost-effective easy-to-use all-optical switch solution for demanding applications in fiber optic instrumentation and communication. The rack mountable instrument can switch up to 4 input fibers to any of up to 48 output fibers in a simplex or duplex mode, independently of data format, wavelength or optical power. The switch supports either single or multimode fibers. Optical connections are set by a MEMS-based switch network, where micro-machined silicon mirrors redirect light to the selected ports. The use of MEMS technology offers solid-state reliability and long-term stability. The OPS-Series Optical Switch can be controlled locally using RS-232 interface or from anywhere over the internet using its standard Ethernet interface. An intuitive graphical user interface (GUI) enables easy point-and-click operation

Model Number	Description
OPG 1250/3200/4250	1.25/3.2/4.25 Gb/s Data Generator
OPG 6250	6.25 Gb/s Data Generator
OPGX110	11Gb/s Pattern Generator
OPB 1250/3200/4250	1.25/3.2/4.25 Gb/s OptoBERT
OPB 5000	5 Gb/s OptoBERT
OPBX110	11Gb/s OptoBERT
OPBX150	14 Gb/s OptoBERT
OPB 04X10	11Gb/s 4-channel BERT
OPB 04X15	15Gb/s 4-channel BERT
OPB 04X28	28Gb/s 4-channel BERT
OSC 1250	12.5 Gb/s Oscilloscope
JIS 1250	12.5 Gb/s Jitter Injection System
CDR 3200	3.2Gb/s Clock Recovery System
TGRX110/QTGX110	11 Gb/s Trigger Recovery System

Protocol	Data Rate (Gbps)
Telecom	
OC-3	0.155
OC-12	0.622
OC-48	2.48832
OC-48 with FEC	2.66606
OC-192: STS-192 / STM-64	9.95328
G.709	10.709
Datcom, Storage & Video	
Fast Ethernet	0.125
Standard definition TV(SDTV-SDI)	0.27
Fibre Channel (1GFC)	1.0625
Gigabit Ethernet	1.25
High Definition TV(HDTV-SDI)	1.485
Serial-ATA	1.5
2 X Fibre Channel (2GFC)	2.125
Infiniband	2.5
Serial-ATA2	3
RapidIO	1.25-3.125
XAUI	3.125
4 X Fibre Channel (4GFC)	4.25
4 X Infiniband & 10GBASE-T	10
HDMI 1.3	10.2
10GBASE-R (LAN/PHY)	10.3125
10 X Fibre Channel (10GFC)	10.519
10GBASE-R OTU2 FEC	11.096
16G FC	14.025
100G data rates for QSFP+/CFP	25.78125 / 27.95 / 28.05

Contact Optellent for your custom testing needs, specifications, and for information about local distributors in your area.

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