

Gnubi EXP200

Performance Monitoring

- Errors
 - BPV, Frame, CRC (ESF), Pattern Bit
- Alarms
 - LOS, OOF, Excessive Zeros, AIS, Yellow
- Measurements
 - Alarm Seconds
 - Error Seconds
 - Error Free Seconds
 - Severely Errored Seconds
 - Percent Errored Seconds
- Data Logging

Payload Mapping

- QRSS
- 2^{15-1} , 2^{20-1} , 2^{23-1} PRBS
- User Pattern (1 to 24 bits)
- 3 in 24, 1 in 8, 2 in 8, 1 in 16
- 55 octet
- All ones (AIS), all zeros
- Signalling (ESF Data Link, Inband)
- Loopback Codes

Physical Interface

- Conforms to ANSI T1.102
- AMI, B8ZS Line Codes
- 100 Ohm Balanced
- Bantam Connector
- Tx Selectable LBO
- Rx Auto Equalization
- Rx Peak Level Detect
- Rx Frequency

Timing

- From the EPX100 clock Module
 - Internal (1.544 Mb/s +/- 5 ppm)
 - BITS timed
 - External
- As Received

Signal Formats

- ESF, SF (D4), SLC-96
 - Channelized
 - Unchannelized
- Unframed

Measurement

The EPX200 is a full featured DS1 Signal Generator and Monitor that may be configured as a Dual Transceiver, Quad Transmitter, or Quad Receiver to meet a wide range of test applications.

The EPX200 can even be used to form a 28 channel DS1 cross-connect.

When used with other EPX16 test modules, the EPX200 can be used to Add/ Drop and simultaneously Generate/Monitor DS1 Signals.

Like all EPX16 test modules, the EPX200 can be run remotely via any Web browser or customer developed software.