

Gnubi EXP210

Performance Monitoring Payload Mapping

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| <ul style="list-style-type: none">• Errors<ul style="list-style-type: none">◦ BPV (single), Frame (FAS), CRC-4, TSE (Pattern Bit)◦ Evaluation as error count or error rates• Alarms<ul style="list-style-type: none">◦ LOS, LOF, RDI, AIS• Measurements<ul style="list-style-type: none">◦ Alarm Seconds◦ Error Seconds◦ Error Free Seconds◦ Severely Errored Seconds◦ Percent Errored Seconds• Data Logging | <ul style="list-style-type: none">• 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• All ones (AIS), all zeroes |
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- 120 Ohm LEMO SA shown
75 Ohm BNC also available
- Insertion**
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| <ul style="list-style-type: none">• Errors<ul style="list-style-type: none">◦ BPV (single), Frame (FAS), CRC-4, TSE◦ Single errors or error rate• Alarms<ul style="list-style-type: none">◦ LOS, LOF, RDI, AIS |
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Physical Interface

Timing

Signal Formats

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| <ul style="list-style-type: none">• Conforms to ITU-T G.703• AMI, HDB3 Line Codes• 75 Ohm unbalanced coaxial BNC• 120 Ohm balanced LEMO SA• Tx Selectable LBO• Rx Auto Equalization• Rx Peak Level | <ul style="list-style-type: none">• From the EPX100 clock Module<ul style="list-style-type: none">◦ External• As Received (Recovered clock from adjacent receiver)• Internal (2.048 Mb/s +/- 20 ppm) | <ul style="list-style-type: none">• PCM 30 with or without CRC G.704/706• PCM 31 with or without CRC G.704/706• Unframed |
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- Detect
Rx Frequency
Measurement

The EPX210 is a full featured E1 Signal Generator and Monitor.

It may be configured as a Dual Transceiver, Quad Transmitter, or Quad Receiver to meet a wide range of test applications.

Like all EPX16 test modules, the EPX210 can be run remotely via any Web browser or customer developed software.