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Find the *Exfo / Gnubi EPX300* at our website: *Click HERE*

Quad DS1 Port Module

gnubi's™ electrical test modules are ideal cost-effective, multi-channel solutions for an equipment manufacturer's production and verification labs in the metro and long haul markets.

Expandable Multiple Rate Testing

Unlike other test equipment, gnubi's test products give you the flexibility to create the test applications that you need now and the expandability to grow with your testing needs in the future. You can mix the Quad DS1 Port Module with other test modules in a single chassis for multiple rate testing.

Simultaneous Multi-port Testing

With the Quad DS1 Port Module, you can install as many as 17 modules for simultaneous multi-port testing. Using EPXam™ tools such as Group Manager, Test Controls, or Script Runner, control multiple instances of the same test simultaneously. Or conduct different tests at the same time.

EPX200 Quad Port Module

The EPX200 Quad Port Module supports DS1 signal generation and monitoring. It is designed for all of gnubi's chassis models. You can configure the module as a four-port transmitter, a four-port receiver, or two transmitter and receiver pairs.

Payload Generation and Monitoring

The EPX200 module provides payload generation and monitoring. Features include alarm and error insertion and monitoring, framing options, and data pattern selection.

Easy to Use

You can start testing quickly and easily with the EPXam graphical user interface. Other ease-of-use features include saving and restoring configurations, connecting remotely with a web browser, scripting, logging, and sharing test resources with others.

Upgradable

As new features are developed for gnubi's test modules, download the upgrades from our website. Visit www.gnubi.com to learn about the latest features and upgrades.



Features

- Transmit and monitor at 1.544 MHz
- Selectable payload mappings
- Payload generation and monitoring
- Test multiple rates and protocols within a single chassis
- Full-featured graphical and command-line user interfaces
- Log alarm and error statistics
- Multi-user, remote access via web browser

Applications

- Production, validation, and metro market applications that test multiple rates and channels
- Add/drop multiplex and demultiplex
- Live traffic monitoring
- Transmit and receive BERT

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Specifications

Quad DS1 Port Module

Model	EPX200	Quad DS1 Port Module
Installation	All gnubi chassis models; uses one slot	
Signal Rates	DS1	1.544 MHz
Interface	Line Codes	AMI, B8ZS
	Transmit	Selectable LBO
	Receive	Auto equalization, peak level detect, frequency measurement
	Connectors	100 Ohm balanced Bantam
Timing References	EPX100 Clock Module	BITS input, external input, internal
	As Received	Recovered clock from receiver port
	Internal	On-board oscillator (+/- 20 ppm)
Payload Mappings		Signalling (ESF Data Link, Inband), loopback codes
Framing	Framed	Extended Superframe (ESF), Superframe (SF), SLC-96 Channelized (with or without Robbed Bit Signalling), unchannalized.
	Unframed	
Alarm Insertion		LOS, OOF, AIS, Yellow, LPS
Alarm Monitoring		LOS, OOF, AIS, Yellow, LPS, Excessive Zeroes
Error Insertion	Types	BPV, Frame, CRC (ESF), Pattern Bit Errors
	Rates	Insert a single error or a burst of errors, or insert errors at 1E-3 to 1E-9 rates
Error Monitoring	Types	BPV, Frame, CRC (ESF), Pattern Bit Errors
Data Patterns	PRBS	True and inverted: 2^{15}-1, 2^{20}-1, 2^{23}-1
	Other	Fixed 8-bit user word, live traffic (monitor only), Quasi-Random Signal Source, 3 in 24, 1 in 8, 2 in 8, 1 in 16, 55 octect (Daly), All ones (AIS), All zeroes, 1100 pattern, alternating 10 pattern
Performance Data	Alarms and Errors	Alarm history, error counts, and error ratios Alarm seconds, error seconds, error-free seconds, severely errored seconds, percent errored seconds
Compliance		ANSI T1.102, CE Mark
Operating Temperature	0º to 40º Celsius, non-condensing	
Warranty and Service	Standard	1 year parts and labor
	Extended	Service Plan available

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