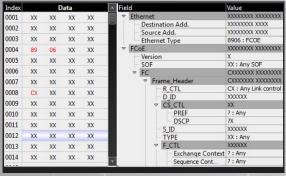




The SierraNet[™] family of protocol test products supports high-speed analysis for Ethernet links from 10GbE to 100GbE and Fibre Channel fabrics from 1G up to Gen 6 speeds. Initially designed for the requirements found in the SAN and NAS space, SierraNet has proven useful for rapid determination of root cause failures in various applications over Ethernet and Fibre Channel fabrics.

The SierraNet M168[™] offers protocol analysis and error injection capabilities in a single low-cost platform, and supports 100% recording of all Fibre Channel and Ethernet-related traffic at full line rates on all ports, while maintaining the link integrity through non-retimed pass-through probe technology. For greater speeds and feeds, see the table to the right for other SierraNet protocol analyzers.



Intelligent triggering saves time and improves engineers' productivity with the ability to capture precise traffic conditions such as timing between events or changes in link state.



The Teledyne LeCroy
InFusion™ Error Injector and
Traffic Modifier is an error injector
and traffic modification tool that allows
you to verify real world fault handling for
Fibre Channel systems.



InFusion can sit unobtrusively in the data path on a live system to programmatically alter or corrupt traffic, making it the ideal tool for stress-testing systems using actual workloads.

Error Injection

Injects CRC, disparity, 8b/10b encoding, framing, and coding errors.

Break Link Recovery

Programmatically breaks the connection to test link recovery.

Value Replacement

Monitors the link for specific values, patterns, or ordered sets (as low as bit level) and replaces with user-defined values on every occurrence, after a specified number of occurrences, or after a specified time interval.

Feature	M168 NET-T016-168-X	M408 NET-T010-328-X	T328 HSF-T328-064-X	M328 HSF-M328-128-X	M328Q HSF-M328Q-128-X
NRZ Encoding	✓	✓	✓	✓	✓
10GE	✓	✓	✓	✓	✓
25GE			✓	✓	✓
40GE		✓	✓	✓	✓
50GE			✓	✓	✓
100GE			✓	✓	✓
1G/2G FC	✓	✓			
4G FC	✓	✓			
8G FC	✓	✓	✓	✓	✓
16G FC	✓	✓	✓	✓	✓
32G FC			✓	✓	✓
BASE-R FEC	✓	✓	✓	✓	✓
RS-FEC			✓	✓	✓
RS-544 FEC			✓	✓	✓
DAC CR / KR	✓	✓	✓	✓	✓
Optical SR / LR	✓	✓	✓	✓	✓
Passive Probe	✓	✓	✓		
Active Probe	✓	✓		✓	✓
Native QSFP		✓			✓
QSFP Breakout		✓	✓	✓	
PAM4 L1 Capable			✓		
PAM4 L2+			✓	✓	



The Graphical State Machine view of the advanced triggering dialog makes it easy for users to visually construct and follow even the most complex scenarios.



Packet Drop

Removes individual ordered sets or frames from the stream to verify retry behavior.

Ordered Set Manipulation

Replaces handshaking and flow control ordered sets to help validate robustness of a design.

Traffic Monitoring

Operates as a traffic monitor, collecting statistical data on user specified parameters. In this mode, data passes unchanged in both directions.



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