

ARTISAN®
TECHNOLOGY GROUP

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SAS/SATA PROTOCOL SOLUTIONS

SAS *InFusion*™ and SATA *InFusion*™

The SAS *InFusion* and SATA *InFusion* error injector and traffic modifier systems are the first of their kind. *InFusion Systems* allow you to inject errors and modify traffic in order to verify real world fault handling.

The *InFusion* traffic modifier is designed to verify recovery characteristics within a sub-system. In just minutes, an easy-to-use wizard-based interface allows you to create test scenarios. You can change any field, within any frame, as the data moves across the bus. Any primitive or data pattern can be intercepted and changed to a different pattern you specify. This allows for corner case and protocol level error injection for SAS and SATA traffic.

The *InFusion* system supports a single 3.0G or 1.5G SAS or SATA link and monitors traffic from both directions. Once an *InFusion* session starts, the system automatically passes the boot up sequence and preserves protocol handshaking between devices. It silently monitors the line while retransmitting a faithful copy of the original data stream. The system will wait for a specific time interval or count a particular event that you designate before it begins modifying frames or injecting errors. It can send either a single error or inject multiple errors.

When modifying the contents of a frame, the *InFusion* traffic modifier will preserve the outbound frame structure, including recalculating the CRC if needed. The response transmitted from the test will pass through the *InFusion* system, without modification. This allows true end-to-end system testing. The *InFusion* System will maintain a log that contains a summary of the exchange.



SAS/SATA INFUSION

SPECIFICATIONS: SAS *INFUSION*/SATA *INFUSION*

Power	100–200 volts. Internal power supply with detachable cord.
Connectors	Two external SATA connectors with external to internal conversion cables
LCD	LCD control panel allows instrument to operate as standalone device
Memory	32 MB internal flash for storage of up to 10 preconfigured test scenarios
Firmware	Field Upgradeable Firmware
Interface to Host	RJ45 10/100 Ethernet connector for communication to host
Supported Configuration	Operate in any topology with any upper level SATA or SAS protocol including SSP, SMP, STP, or native SATA

PHYSICAL DIMENSIONS

Dimensions	2.25" x 6" x 8" (57.2 mm x 152.4 mm x 203 mm)
Net Weight	1.42 kg (3.2 lbs.)

WARRANTY AND SERVICE

	3-year warranty. Optional service programs include extended warranty, maintenance, upgrades, trade-ins, and rental services.

ORDERING INFORMATION	PRODUCT CODE
SAS *InFusion* 1 Port System	IF001UTA-X
SATA *InFusion* 1 Port System	IF002UTA-X
SAS *InFusion* 4 System Bundle	IF003UTA-X
SAS *InFusion* 1 Port Software Maintenance	IF001UTA-M
SATA *InFusion* 1 Port Software Maintenance	IF002UTA-M
SAS *InFusion* 4 Port Software Maintenance	IF003UTA-M

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