



Agilent Technologies

SAN Network Analyzer – J5434A

Technical Specifications

SAN Network Analyzer – J5434A

The SAN Network Analyzer is a tool for field engineers and technicians to develop and troubleshoot Storage Area Networks (SAN). This software provides SAN protocol decodes, such as iSCSI, iFCP, FCIP, and iSNS with the ability to analyze all Ethernet network performance, including Expert troubleshooting systems. The J5434A enables accelerated development and deployment of Storage Area Networks. The J5434A runs on the J6800A Network Analyzer, J6801A Distributed Network Analyzer, and the J6841A Network Analyzer Software.

The Internet Protocol (IP) for Storage Area Networks (SAN) provides an option for transporting block storage data over an IP network. This application helps Network Equipment Manufacturers (NEMs), Enterprise Network Operators (ENO) and Service Providers (SP) manage SCSI data storage by verifying interconnectivity, functionality, and performance on iSCSI storage networks.

Feature Summary

- SAN protocol decodes
 - iSCSI, iFCP, FCIP, and iSNS
 - CIFS and NFS
- Full iSCSI over TCP stream decoding
- Run-time decode display
- Text search
- Detailed iSCSI filters
 - Message type
- Configurable selection of iSCSI version
- Specify header digest and data digest settings
- Full-rate and full-duplex capture
- Ethernet line and MAC statistics
 - Errors
 - Collisions
 - Frames with bad FCS
- iSCSI analysis over
 - 10/100/1000 Ethernet
 - ATM
 - Frame Relay
 - HDLC



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Supported Protocols and Technical Standards

Protocols	IETF Title
FCIP	Fibre Channel Over TCP/IP
IFCP	iFCP - A Protocol for Internet Fibre Channel Storage Networking
ISCSI	ISCSI
ISNS	Internet Storage Name Service
CIFS	M/S Common Internet File System
NFS	Sun Network File System

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Network Analyzer

- Supports any available ATM or WAN/LAN Line Interface Module (LIM)
- LIMs are hot-swappable and interchangeable
- Full-rate capture from any LIM up to 1 Gbps
- 256MB capture memory per LIM
- 32 real-time hardware capture filters
- Advanced auto-encapsulation detection (patent pending)
- Internal time-synchronization between acquisition systems
- Interfaces for external GPS receiver for global time-synchronization
- Agilent Control & Sync technology hardware provided to allow time-synchronization of attached Distributed Network Analyzers (enable by future software upgrade).

Related Literature

Agilent Network Analyzer	Product Overview	5988-4231EN
Agilent Network Analyzer	Technical Specifications	5988-4176EN
Agilent Network Analyzer	Configuration Guide	5988-4248EN

Notes: _____

Agilent Ordering Information

J5434A SAN Network Analyzer Software

Platforms

J6800A Agilent Network Analyzer
J6801A Agilent Distributed Network Analyzer
J6841A Agilent Network Analyzer Software

Related Ethernet Modules

J6830A 10BaseT and 10/100BaseTX Ethernet LIM
J6831A 10/100BaseFX Ethernet LIM
J6832A 1000BaseX Ethernet LIM (includes pair of SX GBICs)
J5491A SX GBICs (850nm multi-mode) – included with the J6832A LIM
J5492A LX GBICs (1310nm single-mode)
J5495A TX GBICs (UTP copper) – This GBIC operates in Node mode only.

Warranty and Support Services

Software 90 day media warranty

By internet, phone or fax, get assistance with all your Test and Measurement needs.

Online assistance:

<http://www.agilent.com/find/assist>

United States:

(Tel) 1 800 452 4844

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