

NuStreams-85



2/4/5/8 PORTS 10/100Mbps ETHERNET SWITCH TESTER

FEATURES SUMMARY

- Standalone tester for testing 2, 4, 5, or 8 ports 10/100Mbps Ethernet switch
- Three built-in full duplex mode tests with pre-defined utilization, packet length, and padding:
 - Light Test: 70% utilization, random packet length, random padding
 - Heavy Test: 98% utilization, random packet length, random padding
 - Performance Test: Up to 100% utilization, 64 byte packet length, random padding
- User configurable parameters for light and heavy tests:
 - Test speed: 10/100Mbps
 - No. of tested ports: 2, 4, 5, or 8 ports
 - Packet transmission duration: 1, 2, 3, ..., 8 seconds
 - Tolerance for lost packets: 0, 10, 20, ..., 100 packets
- Automatic determination of the performance and the latency of a DUT in Performance Test.
- Built-in non-volatile memory for storing test settings
- Compact and light-weighted: 112mm x 157mm x 56mm, 370g

MAJOR BENEFITS

- Simultaneous testing of all ports of a DUT at wire speed or near wire speed
- Time saving:
 - Automatic determination of the pass/fail status of a DUT in between 10 ~ 23 seconds
 - Easy to setup, configure and operate
 - Less than 15 seconds of configuration time for DUT model change
- Cost saving:
 - No need for developing test program/script
 - No special know-how needed for setup and configuration
 - High test throughput
 - Easy to maintain
- Cost-effective and user-friendly

KEY APPLICATIONS

- Production testing and quality assurance during manufacturing process
- Performance validation for 2/4/5/8 ports Ethernet switch
- Trouble shooting at service / maintenance outlets

NuStreams-85



OVERVIEW

S P E C I F I C A T I O N S

Model No.	NuStreams-85
Test Ports	8 10/100Mbps Ethernet with RJ-45 connector
Size (D x W x H)	112mm x 157mm x 56mm
Net Weight	370g
Input Power	AC: 100V ~ 240V, 50Hz ~ 60Hz DC: 9V
Temperature	Operating: 0°C ~ 40°C Storage: 0°C ~ 50°C
Humidity	Operating: 0% ~ 85%, non-condensing Storage: 0% ~ 85%, non-condensing
Power Consumption	3.2W

NuStreams-85 is a standalone tester for testing 2, 4, 5, or 8 ports 10/100Mbps Ethernet switch at wire speed. The compact and light-weighted design and built-in tests make it an ideal solution for production test on production line and for performance analysis and trouble shooting at service centers or maintenance outlets as well.

NuStreams-85 supports three built-in tests: Light, Heavy, and Performance. In Light and Heavy tests, packets are transmitted to the DUT for a user defined duration and a pass/fail indication is given at the end of the test. In Performance test, a DUT's performance is automatically determined and its latency shown upon user termination of the test. To simplify test setting and save time, each test has its own pre-defined settings for utilization, packet length, and padding. Settings such as number of ports tested, packet transmission duration, and the tolerance for lost packet are adjustable for individual test. No software effort or special technical know-how is needed for test setup.

It takes less than 15 seconds to configure **NuStreams-85**. Once the test settings are configured, no reconfiguration is needed for testing the same DUT model. The settings are kept in non-volatile memory and are automatically reloaded upon power on.

Depending on test settings, **NuStreams-85** can finish testing a DUT in between 10 ~ 23 seconds. It takes fewer NuStreams-85 to achieve or exceed the test throughput of traditional PC based solution.

NuStreams-85 is equipped with built-in LCD and beeper for test settings configuration and status indications. LED indicators for Power, Progress, Tx, Rx, Error, GO, and NG are also provided.

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