

NuStreams Chassis



NuStreams-2000/600 ETHERNET TEST SYSTEM

FEATURES SUMMARY

- Support for 10G Ethernet, Gigabit Ethernet, 10/100Mbps Ethernet, xDSL, and a host of other interfaces
- NuStreams-2000
 - Built-in IPC (XM-2100P) for configuration and statistics gathering
 - Cascade of up to 256 chassis
 - Up to 16 test modules per chassis
- NuStreams-600
 - Up to 7 test modules per chassis
- Simultaneous remote access by multiple users over Ethernet LAN in Client-Server architecture
- Optional Software:
 - NuStreams Window (virtual front panel for NuStreams)
 - NuStreams Switch Genius (based on RFC2889 and RFC2285)
 - NuStreams Flow (for Layer 2 & 3 QoS Test)
 - NuStreams Applications (based on RFC1242, RFC2544)
 - Customized Mass Production Test Programs
 - NuStreams API (for MS-Visual C++ or Borland C++ Builder)

MAJOR BENEFITS

- Traffic generation and analysis:
 - Synchronous generation and analysis of layer 2 to 7 traffic over all ports simultaneously
 - Wire speed generation and receipt of layer 2 and 3 traffic
 - Single/Burst/Multi-burst continuous packet generation
 - Collision generation/receipt
- X-Trailer[®] for frame data integrity verification
- NuStreams-2000:
 - High port density (up to thousands of ports)
 - No need for external PC for configuration, data capture, and real-time analysis
- NuStreams-600:
 - Compact and portable

KEY APPLICATIONS

- Performance validation and analysis
- Troubleshooting
- Production testing and quality assurance during manufacturing process

NuStreams-2000 (Left) and NuStreams-600 (Right)



OVERVIEW

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

Model No.	NuStreams-2000	NuStreams-600
Slot	16	7
Size (D x W x H)	29.5cm X 48.5cm X 19.6cm	23.7cm X 22.0cm X 19.2cm
Net Weight	12.1kg	3.2kg
Input Power	AC 100V ~ 240V, 50Hz ~ 60Hz	
Power Consumption	400W	250W
Temperature	Operating: 0°C ~ 40°C Storage: 0°C ~ 50°C	
Humidity	Operating: 0% ~ 85%, non-condensing Storage: 0% ~ 85%, non-condensing	
Connectors	Power: Male IEC 320 receptacle Keyboard / Mouse: PS/2 6-pin DIN Monitor: HD-DB15 Ethernet: RJ-45 10/100Mbps Serial: Male DB9 port USB 1.1	Power: Male IEC 320 receptacle Ethernet: RJ-45 10/100Mbps

Built on open software platform and a highly scalable architecture, **NuStreams-2000/600** is highly flexible and its functionality and applications can be enhanced by applying software upgrade or adopting new test modules.

NuStreams Window, a powerful MS-Windows 2000 based GUI, provides an easy way to configure and control **NuStreams-2000/600** for different tests and to monitor and gather test statistics. Users may generate customized traffic patterns using packet streams and easily configure packets with incrementing, decrementing, or random MAC addresses and through user-defined fields. Protocol editors are available for IP, UDP, IPX, TCP, IGMP, MPLS, VLAN, and OSPF. Each port can generate ARP requests and Ping requests and response to such messages.

For LAN switching device test, users may use Switch Genius, a software suite based on RFC2889 and 2285, to perform the test on **NuStreams-2000/600**.

In addition to the software suites provided by Xtramus, users may develop customized application programs to take full advantage of **NuStreams-2000/600** by using the NuStreams API.

X-Trailer[®], a feature for verifying the integrity of the embedded memory of a switch controller by checking a unique tag attached to each packet sent from **NuStreams-2000/600** is supported by all test modules.

NuStreams-2000/600 is the most cost effective professional network performance testing and analysis solution available on the market. The combination of high performance, multi-port traffic generation and analysis functions, test modules, and reasonable pricing makes it the ideal solution for R&D and Mass Production Test applications.

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Omnikor, Inc.
1170 Foster City Blvd., Suite 312
Foster City, CA 94404 U.S.A.

Tel: +1(650) 572 0122
Fax: +1(650) 572 0533
E-Mail: info@omnicor.com
www.omnicor.com