



NuStreams-900 OVERVIEW

As ideal testbeds for researching and developing network product or quality control in mass-production scale, Xtramus NuStreams-900 chassis provide a flexible, reliable, and high-precision solution in network communication device testing.

NuStreams-900 provides various interfaces, such as 100/50/40/25/10/5/2.5G Ethernet, Gigabit Ethernet, 100/10 Mbps Ethernet for different testing requirements. Also, all slots of NuStreams-900 support hot-swapping. Therefore, swapping or changing test modules can be done easily without powering off NuStreams-900.

There is an optional module - CKM, it has GPS chip for clock synchronization between chassis and chassis, so NuStreams-900 can measure the latency between different places.

To provide a safe and reliable testing environment, NuStreams-900 has sensors embedded inside. Vital system information such as system temperature, rotation speed of the fans and system voltage can be picked up by these embedded sensors. This information can be read and interpreted by the web service running on management card, and the management card will alarm users when system failures occur. Furthermore, NuStreams-900 has new mechanism design, it's more convenient to replace the cooling fan, so NuStreams-900 became easier to maintain.

With cards of different types installed, NuStreams-900 chassis can perform multiple, different tests simultaneously to ensure the test precision. As the result, the time consumed for all DUTs' multi-task testing will be shortened dramatically.



KEY FEATURES

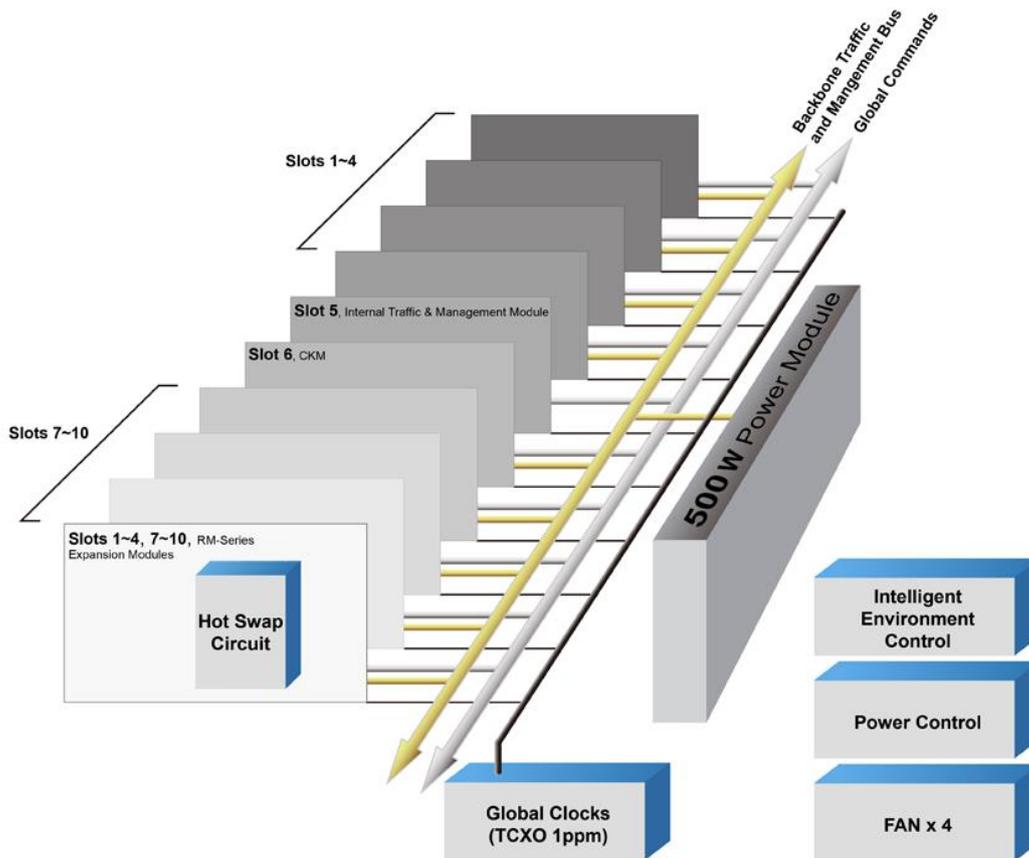
- Intuitive utility software for monitoring system temperature and the fan speed
- All slots support hot-swapping
- Performing synchronized tests between chassis
- Supporting multi-user mode, namely multiuser using the chassis and cards installed simultaneously
- Utility softwares provided by Xtramus Technologies which can analyze the test results and DUT performance with intuitive GUI interface.
- Cards supporting different Ethernet transferring rate, from 10M to 100G
- Simple and easy-to-understand system status LEDs
- Replaceable fan tray
- Utility softwares that complied with RFC-2544, RFC-2889 and RFC-3918.



MAIN APPLICATIONS

- Performance validation and analysis of DUT in mass production line
- Troubleshooting of DUT in the lab
- Production testing and quality assurance during manufacturing process of network products

NuStreams-900 block diagram

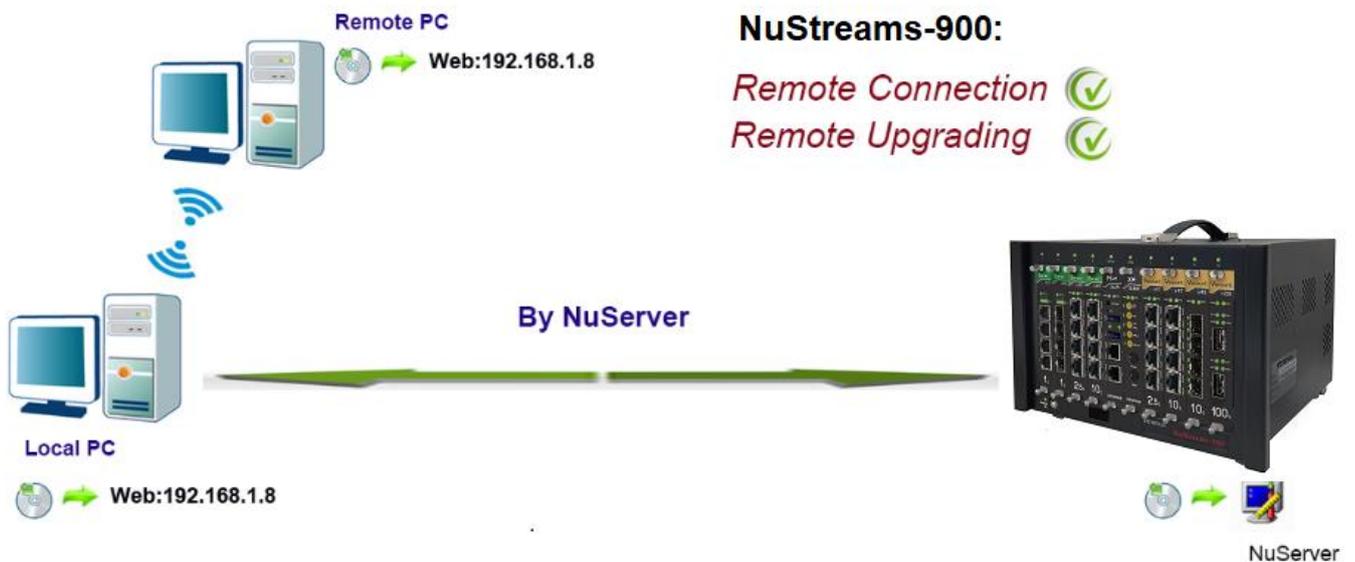




MAIN ADVANTAGES

NuStreams-900 has an innovative design in its architecture, which is coupled with the new generation of management card MGM-3s3A. MGM-3s3A is embedded with the NuServer. In addition, it supports remote control and web management with 1000Mbps speed. The newly added key features of Nustreams-900 grant it enhanced performances.

- Server software (NuServer) integrated in the MGM-3s3A
- Optimized server software(NuServer) version, more reliable and faster especially for multi-user mode
- Intuitive web management interface(default IP address is **192.168.1.8**), allowing the user to control, monitor and upgrade the system in cross-platform
- Support remote control only by directly choosing the IP address of the chassis IP on AP. No need of independently running NuServer on the PC directly connecting to the chassis
- Supporting new generation cards of Lord Series, with faster speed and enhanced functions





SPECIFICATION

NuStreams-900	
Slot	8 slots for installing test modules 1 slot for installing management module 1 slot for installing CKM module (optional)
Dimension	22.3 cm (W) * 25.9 cm (D) * 18.6 cm (H)
Net Weight	Approx. 4.8kg
Power Module	NS-90PW-500
	Power Jack: Male IEC 320 Receptacle Input Power: AC 90V ~ 240V, 50Hz ~ 60Hz
Maximum Power Output	500 Watt
Temperature	<ul style="list-style-type: none"> • Operating: -10°C~ 50°C (14°F~ 122°F) • Storage: -10°C~ 50°C (14°F~ 122°F)
Humidity	<ul style="list-style-type: none"> • Operating: 0% ~ 85% RH • Storage: 0% ~ 85% RH
Supported Cards	Lord series and XM-RM series modules
MGM-3s3A	Ports: <ul style="list-style-type: none"> • Console Port: RJ45 console port of 115200 baud rate for debugging • WiFi Port: Install WiFi module • USB Port: Connect external USB storage device to upgrade the chassis and modules • Mgm Port: 10/100/1000M Mbps RJ45 x 2 for management
	LEDs: <ul style="list-style-type: none"> • PWR: power status • SYS: system status • WiFi LED: displays the status of the WiFi module • USB LED: displays the status of the USB Port • Speed: link speed of management port • L/A: display the link status between PC and NuStreams-900
	Button: <ul style="list-style-type: none"> • R2d: Restore all settings to default.
CKM (optional)	For clock synchronization between chassis.
Built-in Sensors	Detecting system temperatures, rotation speed of fans, and system voltage.
FAN Module	NS-90FAN-U2 (Top), NS-90FAN-L4 (Bottom)

Note*

1. MGM-3s3A is shipped with NuStreams-900.
2. CKM is optional.

CONTACT INFORMATION

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