PORTABLE TRAFFIC GENERATOR

Why be forced to choose between costly and proprietary "closed box" traffic generators from the major vendors, or wasting precious time configuring and supporting a home-grown solution? Continuum from NextComputing offers a clear alternative by delivering a cost-effective, flexible and powerful traffic generator for testing today's high-speed networks.

Featuring the popular Ostinato open-source traffic/packet generator software and robust network adapter technology from Napatech, Continuum is capable of sending multiple line-rate packet streams up to 25Gb/s per stream from a single chassis. And because Continuum based entirely on off-the-shelf hardware and open-source software, the system can be easily customized and upgraded, ensuring long-term usability.

Continuum features:

- Support for the most common standard protocols
    - Ethernet/802.3/LLC SNAP
    - VLAN (with QinQ)
    - ARP, IPv4, IPv6, IP-in-IP: IP Tunneling (6over4, 4over6, 4over4, 6over6)
    - TCP, UDP, ICMPv4, ICMPv6, IGMP, MLD
    - Any text based protocol (HTTP, SIP, RTSP, NNTP etc.)
- Modifying any field of any protocol—some protocols allow changing packet fields with every packet at run time including changing IP/MAC addresses
- User-provided Hex Dump - specify some or all bytes in a packet
- User-defined script allows creation of custom protocols
- Stack protocols in any arbitrary order
- Create and configure multiple streams including specifying stream rates, bursts, and number of packets
- Framework to add new protocol builders easily

- Powerful traffic generator for high-speed Ethernet networks

- True line-rate packet streaming up to 25Gb/s per stream

- Configure and customize streams with easy to use user interface

- Convenient all-in-one chassis with built-in monitor

- Open-standards, off-the-shelf hardware and open-source software

Base System	Continuum	Continuum Plus
CPU	Intel Core i7 3.20 GHz Quad-Core processor	
Memory	6GB DDR3 RAM, triple channel	
Total PCI Expansion Slots	• (2) PCI Express 2.0 x16 • (1) PCI Express 2.0 x4 • (1) PCI	• (3) PCI Express 2.0 x16 (x16 or x8 electrical) • (3) PCI Express 2.0 x16 (x8 electrical) • (1) PCI Express 2.0 x16 (x16 electrical)

Max. Network Adapter Cards/Ports	Up to (2) network adapter cards for maximum of:
	  • (8) Gigabit Ethernet ports
	  • (4) 10G Ethernet ports
	  • (2) 40G Ethernet ports
		Up to (4) network adapter cards for maximum of:
		  • (16) Gigabit Ethernet ports
		  • (8) 10G Ethernet ports
		  • (4) 40G Ethernet ports

Available Network Adapter Cards	• Intel I340-T4 Quad-Port GbE — (4) RJ-45 ports • Napatech NT4E Quad-Port GbE — (4) RJ-45 or SFP SR/LR ports • Napatech NT20E2 Dual-Port 10G Ethernet adapter — (2) SFP+ SR/LR ports • Napatech NT40E2-1 40G Ethernet adapter (25Gb/s transit) — (1) QSFP+ port	
Storage	160GB solid state drive -**OR**- 500GB SATA hard drive for operating system and applications	
Optical Drive	Internal DVD±RW	
Display/Graphics	• Integrated 17" WUXGA+ LCD up to 1920x1200 • NVIDIA Quadro FX 380 graphics card	
Base System Ports	• (1) PS/2 • (7) external USB 2.0 • (6) internal USB 2.0 • (2) external USB 3.0 • (1) IEEE 1394a • (1) Gigabit Ethernet • (1) S/PDIF digital audio out • (6) analog audio ports	• (2) RJ-45 LAN (GbE) • (7) USB 2.0 • (2) eSATA • (1) IEEE-1394a • (1) S/PDIF digital audio optical out • (1) S/PDIF coaxial audio out • (6) analog audio ports
OS	CentOS 5.5 64-bit	
Traffic Generator Software	Ostinato	
Power Sub-System	460W 110/220V 50/60Hz auto-switching 80 PLUS rated power supply	
Environmental	• Relative humidity (5-95%) non-condensing • Operating: 5°C–40°C / 41°F–104°F. Non-Operating: -40°C–65°C, -40°F–149°F • Relative humidity (5-95%) non-condensing	
Regulations	FCC Class A, and CE. Certified TUV	
Physical	5.55" (D) x 12.4" (H) x 16.8" (W) ~15lbs.	5.55" (D) x 14.9" (H) x 16.57" (W) ~17 lbs.
Carrying Cases	System includes soft carrying case. Optional rolling soft case or rugged hard case available.	

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