



## The Best of Both Worlds!

### Full line-rate packet generation and simultaneous high-speed capture

The Continuum TGEN platform provides full line-rate packet generation and replay capabilities up to 20Gbps. Unlike other traffic generators, Continuum TGEN can simultaneously capture high-speed traffic at up to 10Gbps while sending packets, creating a closed-loop test bed for diagnosing a variety of network problems.

Traditional traffic generation systems can be prohibitively expensive, not flexible enough, or require multiple pieces of equipment to solve a problem, adding to the overall cost and complexity of a project. With Continuum TGEN, a single, customizable, compact rackmount or portable appliance can handle high-speed traffic generation and recording.

#### Features

- Generate line-rate traffic at up to 20Gbps aggregate (2x10G)
- Simultaneous capture up to 10Gbps while sending packets
- Portable and rack-mount versions for both field- and lab-based test environments with the ability to share data between systems with removable hard drives
- Standard PCAP files can be easily shared with other applications like Wireshark, Tcpdump, or Riverbed Pilot
- Customize PCAP files for replay using open-source tools like Ostinato
- Packet stream customization with BPF-type filtering, rate, timeline, and frame size adjustment options for synthetic or replayed packets
- Browser-based user interface can be run locally on a laptop or remotely over a secure link
- RESTful API allows integrators, enterprises, and test tool developers to create sophisticated test suites for specific uses with Continuum TGEN as the core appliance
- Private labeling and API customization services for OEMs, solution providers and service providers.

#### Example Applications:

- Switch testing for VoIP applications
- Infrastructure build-out and test for service providers and cloud hosts
- Manufacturing test for network equipment vendors
- Application performance validation for enterprise data centers
- Latency measurement and throughput validation for financial services companies





Model	Continuum TGEN 20X2	Continuum TGEN Portable	Continuum TGEN Rugged
<b>Description</b>	High-speed, shallow-depth rackmount appliance	Transportable appliance for field-based test environments	Rugged transportable appliance for demanding field-based test environments
<b>Network Interface</b>	2 x 10G fiber SFP+ or 4 x 1G copper RJ-45		
<b>Time Stamping Resolution</b>	1 millisecond		
<b>Data Rate (max)</b>	<ul style="list-style-type: none"> <li>Up to 20Gbps (2x10G) or up to 10Gbps (1x10G) line rate packet generation -or-</li> <li>Up to 10Gbps (1x10G) line rate packet generation and up to 10Gbps (1x10G) line rate capture simultaneously -or-</li> <li>Up to 20Gbps aggregate (2x10G) or 10Gbps (1x10G) line rate capture</li> </ul>		
<b>Total Storage</b>	Up to 24TB	Up to 6TB	
<b>Programming Interface</b>	REST web API		
<b>Management</b>	IPMI 2.0 dedicated remote management interface via RJ-45 LAN port		
<b>Power</b>	<ul style="list-style-type: none"> <li>650W 110/220V 50/60Hz AC auto-switching, 1+1 redundant with hot-swap</li> <li>Optional additional 48V DC power input - dual DC and AC power</li> </ul>	700W 110/220V 50/60Hz AC auto-switching	
<b>Physical</b>	<ul style="list-style-type: none"> <li>3U, 16.5" (W) x 5.25" (H) x 20.0" (D)</li> <li>Includes rack-mount slides</li> <li>Front-accessible removable storage drives</li> </ul>	<ul style="list-style-type: none"> <li>5.8" (D) x 14.9" (H) x 16.75" (W)</li> <li>Screenless portable appliance (controlled via laptop or other client device)</li> <li>Rear removable capture store hard drives</li> <li>Includes hard case with telescoping handle</li> </ul>	<ul style="list-style-type: none"> <li>7.92" (D) x 17.53" (H) x 19.75" (W)</li> <li>Screenless portable appliance (controlled via laptop or other client device)</li> <li>Rear removable capture store hard drives</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>Operating: 0°C–35°C / 32°F–95°F</li> <li>Non-Operating: -40°C–65°C, -40°F–149°F</li> </ul>		