The Spirent TestCenter Dynamic Protocol Generator (DPG) is a robust engine for the production, modification, and amplification of application protocols and attack traffic as part of a complete Layer 2-7 traffic testing environment. Complex protocols such as BitTorrent™, MySQL, CIFS, P2P, Skype™, Netflix™, Facebook™ can be selected from an updatable library or you can create them yourself. With the DPG designer companion application, you can customize these protocols to create thousands of new variations. DPG protocols can be used as standalone traffic or intermixed with emulated devices, topologies and services for sophisticated testing scenarios such as Deep Packet Inspection testing.

DPG brings new levels of application protocol traffic generation to the Spirent TestCenter platform. Creating vast amounts of realistic Web and application traffic is as simple as selecting protocols from a list. Adding application traffic flows over Layer 2-3 emulated networks and devices provide new ways to test Quality of Experience and Quality of Service on application traffic. This makes it easier than ever to compare the effect of traditional or cloud infrastructure on application response time.

**DYNAMIC APPLICATIONS**

- Quickly add realistic layer application protocol traffic from a library of predefined protocols such as BitTorrent, Gmail, Instant Messaging, gaming and other consumer internet and enterprise applications
- Model application traffic behavior over emulated network devices and topologies
- Test mixed protocol Layer 2-7 traffic flows over a multitude of Spirent TestCenter line cards
- Create your own custom application traffic flows to model specific or proprietary traffic over emulated networks and devices
DYNAMIC PROTOCOL GENERATOR (DPG)

FEATURES & BENEFITS
- With the DPG updateable and expanding library of protocols and attacks new traffic profiles are easy to download use for ever expanding testing needs.
- The DPG designer application provides a complete environment to create virtually any custom application flows from captured traffic
- Modify, manipulate and adjust captured traffic creating protocol variations specific to your test needs and environment
- Decode and modify imported capture files for advanced playback modeling allows you to quickly distill specific transactions from a large playback to target specific transactions
- Intermix comprehensive multi-protocol Layer 4-7 user and business traffic over emulated networks, network devices, and other lower level transports
- Add comprehensive user network traffic over Spirent TestCenter emulated devices and network topologies
- Map realistic application protocol traffic over Access protocol such as PPPoE for Deep Packet Inspection testing
- Compatible with Spirent TestCenter virtual for use in cloud and data center applications

SUPPORTED MODULES & PLATFORMS
- Spirent TestCenter C1 Appliance
- HyperMetrics CM 4 and 12-port 1 G Modules
- HyperMetrics mX 2, 4, and 8-port Modules
- HyperMetrics mX 40 G and 100 G modules
- HyperMetrics dX high-density modules
- Spirent TestCenter Virtual

REQUIREMENTS
- Spirent TestCenter Platform
- Spirent Test Centerer Base Software

ORDERING INFORMATION

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<tr>
<th>Description</th>
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<tr>
<td>Dynamic Protocol Generator 12-Slot License</td>
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Please contact your Spirent Communications sales representative for other software and hardware and configuration options

SPIRENT SERVICES

Spirent Global Services provides a variety of professional services, support services and education services—all focused on helping customers meet their complex testing and service assurance requirements. For more information, visit the Global Services website at www.spirent.com or contact your Spirent sales representative.