

The Innovative Technology for Intelligent Media Delivery and Distribution



## ISG Key Features

**Intelligent Content Routing** - ISG1001, ISG1011, ISG1511 and ISG5011 consist of patent-pending ActiveRoute™ technology, which provides content aware capability and intelligent content delivery path selection so as to achieve faster response, network level load balancing and fault tolerance. ISG can locate a content within the network and have real time knowledge of the network such that the best path for content delivery will be selected rather than a pre-defined hierarchal network relationship.

**Streaming Media Broadcast Resilience** - Based on ActiveRoute™ technology, SinoCDN develops an advance resilience technology for streaming media broadcast, Automatic Switch Over. As the quality of streaming media broadcast is very sensitive to network situation, any sudden unavailability of any node will cause termination of the streaming applications. Business loss caused is unpredictable. Upon sudden node failure occurs, ISG will automatically communicate with each other and can real time select another available path for the existing streaming content delivery so that the service can be maintained.

**Web Caching and Streaming** - ISG can support both traditional web object caching as well as live streaming splitting and on-demand streaming caching in one single appliance.

**Transparent Caching** - Allows all web and streaming requests to be transparently redirected to ISG from any Layer 4 switch.

**Forward & Reverse Proxy** - Available to act as client accelerator or server accelerator.

**Proxy Authentication** - Working with LDAP server to distinguish users with and without permission.

**Real Time Logging & Event Notification** - Real time logging of users access information as well as network events occurred are available.

**Rule - based Filtering** - Access control list for blocking unwanted request and forwarding permitted traffic.

**Global Load Balancing** - With true user proximity knowledge, user requests can be directed to the closest node to get the content and therefore get away from congested node.

**Content Freshness Control** - To ensure users always receiving up-to-date content, "refreshing" cached content is based on usage patterns and request frequency.

**Web-based Management Tool** - Web-based interface can provide a user-friendly platform for network administrator to manage the whole network.

# Intelligent Streaming Gateway™



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Models	ISG1001	ISG1011	ISG1511	ISG5011
<b>Features Summary</b> Web Object Caching Live Streaming Media Splitting On-demand Streaming Media Caching Transparent Caching Forward & Reverse Proxy Proxy Authentication Intelligent Content Routing Streaming Media Broadcast Resilience Real Time Logging and Event Notification Rule - based Filtering Global Load Balancing Content Filtering			Yes Yes Yes Yes Yes Yes ActiveRoute™ Automatic Switch Over Yes Yes Yes Yes	
<b>Specifications</b> Standard Cache Capacity Maximum Allowable Cache Capacity ECC Memory RAID Hot-swap Capability Power Receptable	36GB 2TB 512MB ----- ----- Single Line Cord	73GB 2TB 1GB ----- ----- Single Line Cord	144GB 2TB 2GB Standard ----- ----- Single Line Cord	360GB 2TB 4GB Standard Standard Standard Dual Line Cord
<b>Connectivity</b> Standard Network Capability	Dual 10 / 100Base - T Ethernet Ports			Dual 1000Base -SX Gigabit Ethernet Ports
<b>Supported Protocol</b> Web Object Streaming Media	HTTP, ICP RTSP, MMS, HTTP, ActiveRoute			
<b>Physical Specifications</b> Form Factor Rackmount Height Width Depth	1U, rack - mount server chassis for EIA Standard 310-D racks 1.7" 16.9" 23.9"			2U, rack - mount server chassis for EIA Standard 310-D racks 3.04" 16.93" 25.51"
<b>Environment</b> Ambient Temperature Non-operating Temperature Non-operating Humidity	Operating +5°C to +35°C, with maximum change not to exceed 10°C -40°C to +70°C ambient 95% non-condensing at 30°C			Operating +10°C to +35°C -40°C to +70°C ambient 90% non-condensing at 35°C
<b>Power Supply</b> AC Voltage and Frequency DC Voltage	350W PFC, 4.96A@115V, 2.48A@220 V 12A max@+5V, 2A max@+5V standby, 16A sustained@+12V1 or +12V2, 0.5A max@-12V, 16A max@+3.3V			500W SSI TPS 1+0 redundant, 6.7A@115V, 3.3A@220 V 20A max@+5V, 2A max@+5V standby, 18A sustained@+12V1 or +12V2, 24A max@+3.3V
<b>Regulations</b> Safety/EMC Regulatory Compliance (Class A) EMC	IRAM, UL 1950 - CSA 950/CSA60950, CE EN60950, IEC60950, NEMKO/EMKO -TSE (74-SEC) 207/94, GOST 50377-92 FCC Class A, AS/NZS 3548, ICES-003 Class A, CE EN55022 Class A EN55024 and EN61000-3-2/3-3, CISPR 22 Class A, VCCI Class A, RRL MIC 1997-41 & 1997-42, GOST, CNS13438 Class A			