

SwiftCache 10100, Conversant’s high performance media caching appliance helps Service Providers & ISPs manage their customers’ increasing demand for rich media & web content.

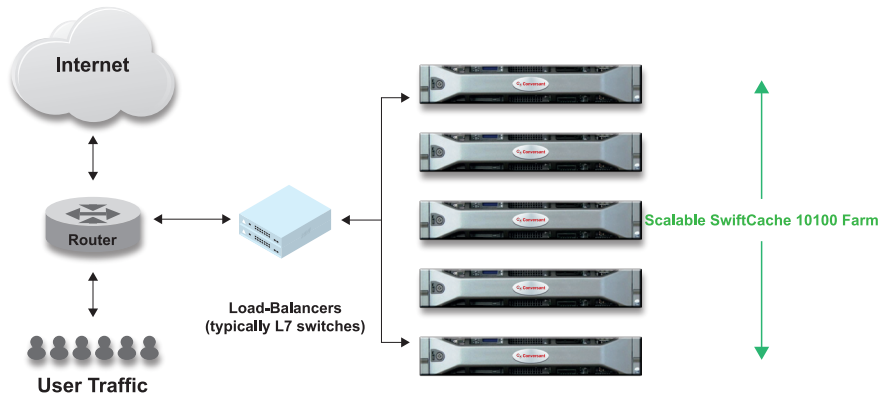
Designed for optimal caching of media files, SwiftCache 10100’s proprietary caching algorithms deliver higher hit ratios and bandwidth savings, particularly for video and dynamic web content.

Beyond bandwidth savings and improved end user experience, when deployed together with Conversant’s Swift Policy Manager, SwiftCache also enables a Content-Aware and Subscriber-Aware network on top of which a Service Provider can develop new value-added services to better serve the needs of their users. Examples of such new services include personalised landing pages and differentiated content delivery services.

Key Features & Benefits

Features	Benefits
<ul style="list-style-type: none"> Serves media files from within the ISPs’ network 	<ul style="list-style-type: none"> ✓ Bandwidth savings from reduction in repeated downloads of frequently requested media
<ul style="list-style-type: none"> Returns media with faster response times 	<ul style="list-style-type: none"> ✓ Better video viewing experience and greater customer satisfaction
<ul style="list-style-type: none"> Supports both web and video caching in a single solution, can be deployed in conjunction with existing caching solutions 	<ul style="list-style-type: none"> ✓ Support for new traffic growth and new types of traffic without the need to alter an ISPs’ existing infrastructure
<ul style="list-style-type: none"> Supports full- and semi-transparent deployments 	<ul style="list-style-type: none"> ✓ Compatibility with different network configurations
<ul style="list-style-type: none"> SwiftSense Cloud based optimal caching policies 	<ul style="list-style-type: none"> ✓ Automatically download latest caching policies to the caches regularly to maximize cache efficiency
<ul style="list-style-type: none"> Partial Object Caching 	<ul style="list-style-type: none"> ✓ Efficiently caches Byte Range Requests that are commonly used by download managers for greater bandwidth savings
<ul style="list-style-type: none"> Seek Request Support for popular video sites 	<ul style="list-style-type: none"> ✓ Improve savings as serve seek requests on popular video sites are been served from the cache rather than making a new request to the origin websites
<ul style="list-style-type: none"> Inter-Cache Communication (ICC) 	<ul style="list-style-type: none"> ✓ Eliminates double-caching and turn individual cache_miss to cache_cluster_hit
<ul style="list-style-type: none"> Master - Master management and configuration architecture 	<ul style="list-style-type: none"> ✓ ISP can manage and monitor a cluster of SwiftCache 10100 without the need for additional management device
<ul style="list-style-type: none"> Asynchronous IO 	<ul style="list-style-type: none"> ✓ Increase cache performance through optimizing of disk buffer techniques
<ul style="list-style-type: none"> Surge Protection 	<ul style="list-style-type: none"> ✓ Allows the cache to cope with unexpected surges in traffic and continues to provide predictable behavior even under extreme load situations
<ul style="list-style-type: none"> Integrated with loading third party URL categorization database 	<ul style="list-style-type: none"> ✓ Allows ISP to introduce content filtering and parental control service
<ul style="list-style-type: none"> Reverse Proxy mode 	<ul style="list-style-type: none"> ✓ Offload the serving of “static” content from the origin web infrastructure

Typical Deployment



Technical Specifications of SC 10100

Appliance Attributes	
Processor	Dual 3.06GHz Intel® Xeon® Six Core CPUs (12 cores total)
Memory	64GB RAM
Disk Drives	2 x 300GB SAS Hot-Swap (Redundant System Drives) 2 x 240GB SSD (Dedicated Cache Storage Drives) 10 x 600GB SAS Hot-Swap (Dedicated Cache Storage Drives)
Network Interfaces	2 x 10/100/1000 BASE-T 10GBASE-SR/LR SFP+ (Optional)
Appliance Physical Properties	
Enclosure	19" Rack-mountable
Form Factor	2U Rack
Dimensions (L x W x H)	664.6mm x 445.2mm x 86.7mm (26.17" x 17.53" x 3.42")
Weight	29.0kg (63.8lbs)
Power Supply	Dual Redundant 750W Hot-Swap Power Supplies
Input Voltage and Frequency Ranges	100 to 240V AC, 10.8-5A, 50/60Hz -36.0 to -72.0V DC (Recommended -48.0V)
Power Consumption	300W
Operating Temperature	10°C to 35°C (50°F to 95°F)
Relative Humidity	Operating: 20% to 80% Relative Humidity, Non-Condensing Non-Operating: 5% to 95% Relative Humidity, Non-Condensing
Altitude Ranges	Operating: -15.2m to 3,048m (-50ft to 10,000ft) Non-Operating: -15.2m to 10,670m (-50ft to 35,000ft)

About Conversant:

Conversant is a Singapore-based, privately held technology company focusing on developing innovative products for telecommunication service providers. Conversant's Swift range of content caching, content distribution and subscriber management products allow our service provider customers to efficiently manage the business costs of their "content and application" network. At the same time, our service provider customers now have the ability to monetize their network assets by creating differentiated service offerings through content and subscriber awareness.

