



High Performance File-Based & Live Transcoding

Swift Transcoding Appliance (SwiftTA) provides content transcoding and preparation as well as optional DRM protection for premium contents to be delivered via Content Delivery Network (Public CDN: SwiftServe or Private CDN: Swift Delivery Appliance, SwiftDA) to your end-users who views the contents through multiple types of devices. SwiftTA also serves as an integration point for integration to customers' origin storage for the transcoded files (Public Storage: SwiftServe or Private Storage: Swift File Appliance, SwiftFA) and backend systems including the content management system (CMS).

Architected for high availability, reliability and performance, the SwiftTA is the most cost effective transcoding solution in its class.

Features

Product features include:

- > **Offers Transcoding and Segmentation for Multiple Devices:** Transcoding into multiple bit-rates and optimised MPEG TS segmentation for HTTP Streaming.
- > **Security:** Integration with DRM server to request key for AES128 encryption for HTTP Streaming. Please contact your account manager to request for the full list of DRM servers that have integrated with our products.
- > **High Performance:** High performance software on the SwiftTA ensures that it is able to maintain optimal transcoding performances for media files and live streams.
- > **Seamless Integration with Global Conversant Content Delivery Network (CDN):** Network Service Providers may extend their reach through integration with the Global Conversant's CDN (SwiftServe).

BENEFITS

OPTIMISED FOR SCALABILITY

A hybrid model for transcoding services can be easily deployed. Have the flexibility to tap on your on-premise SwiftTA for business-as-usual transcoding while tapping on the public cloud service: SwiftCoder for redundancy and additional capacity for special events' requirements.

MONETISATION OPPORTUNITIES

Live stream can be recorded into a file for on-demand playback, allowing content providers to create video libraries for users' subscription.

INTEGRATED TO SWIFFEDERATION NETWORK

As an enhanced module of Conversant CDN offering, SwiftTA integrates seamlessly to the Conversant Content Delivery Network (SwiftFederation), extending Network Service Providers reach into new geographies.

Technical Specifications

Model	TA 18100	TA 28100
Processor	Dual Intel® Xeon® Fourteen Core	Quad Intel® Xeon® Sixteen Core
Processor Cores	28	64
Memory	96GB	256GB
Redundant System Drives (Hot-plug)	2x 600GB SAS	2x 600GB SAS
Dedicated Cache Storage Drives (Hot-plug)	5x 1.8TB SAS	8x 1.8TB SAS
Embedded NIC Options	2 x 1000BASE-T, 2 x 10GBASE-SR/LR SFP+ ¹	2 x 1000BASE-T, 2 x 10GBASE-SR/LR SFP+ ¹
Enclosure	19" rack-mountable	19" rack-mountable
Form Factor	2U	2U
Dimensions (L x W x H)	700.5mm x 482.3mm x 42.8mm	684.0mm x 444.0mm x 87.3mm
Weight	16.9 kg(37.26 lb)	31.5kg (69.45lbs)
Power Supply	AC: Dual Hot-Plug, Redundant 750W DC: Dual Hot-Plug, Redundant 1100W	AC: Dual Hot-Plug, Redundant 1100W DC: Dual Hot-Plug, Redundant 1100W
Input Voltage and Frequency Ranges	AC: 100 – 240VAC, 50/60Hz DC: -(48-60)VDC	AC: 100 – 240VAC, 50/60Hz DC: -(48-60)VDC
Power Consumption (Typical)	167W	455W
Operating temperature	10°C-35°C (50°F to 95°F)	10°C-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	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 10,668m (-50ft to 35,000ft) 12000 39370	Operating: -15.2m to 3,048m (-50ft to 10,000ft) Non-Operating: -15.2m to 10,668m (-50ft to 35,000ft) 12000 39370

¹ SFP+ transceivers are sold separately.

Conversant Solutions (www.conversant.tv) helps content publishers and network service providers profit from delivering a better Internet multimedia experience to their customers.