



High Performance Content Storage and Management

SwiftCDN File Appliances (FAs) provide a distributed content storage and management facility to Conversant's CDN offering. File Appliances, working in conjunction with our Delivery Appliances (DAs), provide distributed content storage and management for convenient and performant service of assets in high volumes.

Conversant's FA offering consists of a core appliance, the FA Core, and the FA Extension module, which provides extra storage while maintaining the high-performance and integration benefits of the Core.

File Appliances (FAs) are designed to store valuable digital content such as files and videos securely and efficiently; with drive-level redundancy and the option of node-level redundancy, the File Appliance solution offers peace of mind and high uptime.

The File Appliances are equipped with a configuration which allows any two storage drives to fail, without experiencing an outage, and with hot spares, to extend resilience until drives can be physically replaced. This resilience is included in the FA Extensions as well, allowing huge arrays with high uptime, without a large management overhead.

Features

File Appliance features include:

- > **Multiple Content Ingest mechanisms:** With support for FTP, FTPS, SFTP and web portal upload, network providers can quickly integrate the File appliance's capabilities into their (and their customer's) publishing systems.
- > **Service of Content over multiple mechanisms:** With support for HTTP and the latest in HTTPS delivery, the File Appliance gives flexibility in how your content is served to your customers.
- > **Highly resilient storage:** Conversant has built a highly resilient pair of appliances, each with a highly resilient RAID configuration, with hot spares, meaning even multiple disk failures will be handled seamlessly.
- > **Low resource footprint:** With a small hardware footprint of just 2U for each, while providing up to 30TB of storage, these appliances provide a high storage density at an affordable price. The Extension modules offer 36TB of redundant storage in a space and cost efficient 2U form factor.
- > **High performance:** With years of experience in CDN storage systems, our solution is optimised to deliver a CDN-typical traffic profile with leading performance, unlike many managed-storage solutions.

BENEFITS

REVENUE INCREASE

SwiftCDN FAs enable Network Service Providers to create new revenue streams by providing content delivery services for their customers who wish to publish content, or by offering content themselves.

OPEX SAVINGS

SwiftCDN provides a very efficient way to deliver multimedia content, reducing the amount of data that needs to be carried across networks, resulting in savings such as on international transit.

CAPEX SAVINGS

Compared to other solutions in the market, SwiftCDN is a very cost effective way of building a CDN capability.

- > **Scalable deployments:** While the minimum deployment requires a pair of appliances, we can scale easily for added performance and storage. From a single Extension module, to multiple Cores, optionally across several physical locations, each with up to 8 Extensions¹, the FA system is massively scalable.
- > **Seamless integration with the global SwiftServe network:** With integration with our web portal and our responsive operations team, the File Appliance will give a great, integrated experience.

Technical Specifications

Model	FA Core 30100	FA Extension 110
Processor	Dual Socket Intel® Xeon® 12 Core	NA
Processor Cores	24	NA
Memory	128 GB	NA
Redundant System Drives	2x 600GB SAS	NA
Dedicated Cache Storage Drives (Hot Plug)	24x 1800GB SAS HDD	24x 2000GB NL-SAS HDD
Embedded NIC	2 x 1000BASE-T,	NA
Options	2 x 10GBASE-SR/LR SFP+ ¹	
Enclosure Form Factor	2U	2U
Dimensions (L x W x H)	684.0mm x 444.0mm x 87.3mm	541.0mm x 444.0mm x 87.3mm
Weight	35.6kg (78.48lbs)	24.2 kg (53.35 lb)
Power Supply	AC: Dual Hot-Plug, Redundant 750W DC: Dual Hot-Plug, Redundant 1100W	AC: Dual Hot-Plug, Redundant
Input Voltage and Frequency Ranges	AC: 100 – 240VAC, 50/60Hz DC: -(48-60) VDC	AC: 100-220VAC, 50/60Hz DC: 48 VDC
Power Consumption	505W (Typical)	1200W (Max)
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	
Altitude Ranges	Operating: -15.2m to 3,048m (-50ft to 10,000ft) Non-Operating: -15.2m to 10,668m (-50ft to 35,000ft)	

¹Performance is dependent on the number of Extensions per Core

² 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.