

Niagara[®] 9400 Models

Transcoding Systems – HEVC, H.264 and MPEG-2



Highest Density Transcoder in the Industry

The Niagara 9400 series is a very high-density/high-performing multi-channel transcoder blade server for service providers, broadcasters, and enterprises. It is built to exceed 5 9's of reliability. This system can support up to 100 HD streams or 200 SD streams in 2RU

Very High Density

Up to 100 HD or 200 SD streams in a 2 RU blade server.

Enhance Efficiencies

Optimize your workflow by easily developing customized solutions with the powerful and accessible web SDK or via SNMP.

Exceptional Performance

With the latest high-performance multi-core and Intel XEON processing technology, deliver multiple simultaneous streams in a variety of formats to extend existing audiences and reach new ones, such as mobile, web, and IPTV users.

Comprehensive and Adaptable

All industry encoding formats are included on one system as standard and we are adding new ones as well

Ideal Solutions

- > Content delivery networks
- > Service Providers

Applications

- > Live streaming / simulcasting
- > Webcasting
- > Mobile TV
- > IPTV

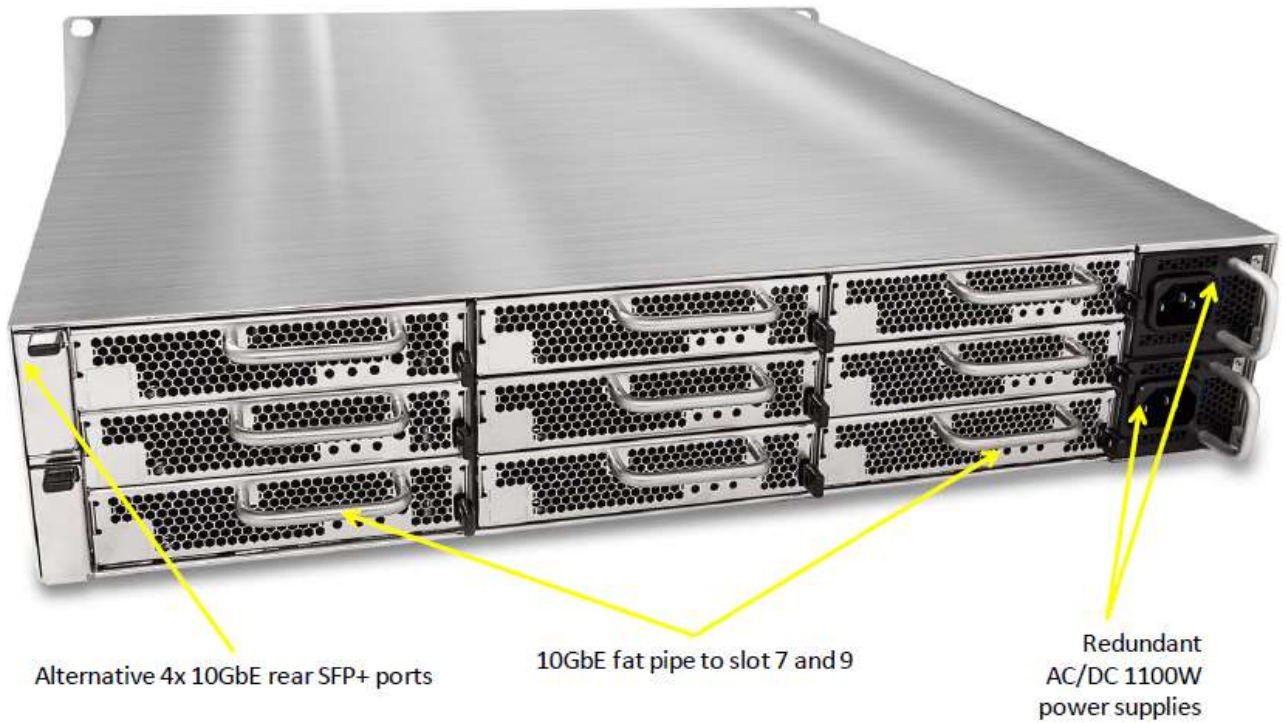
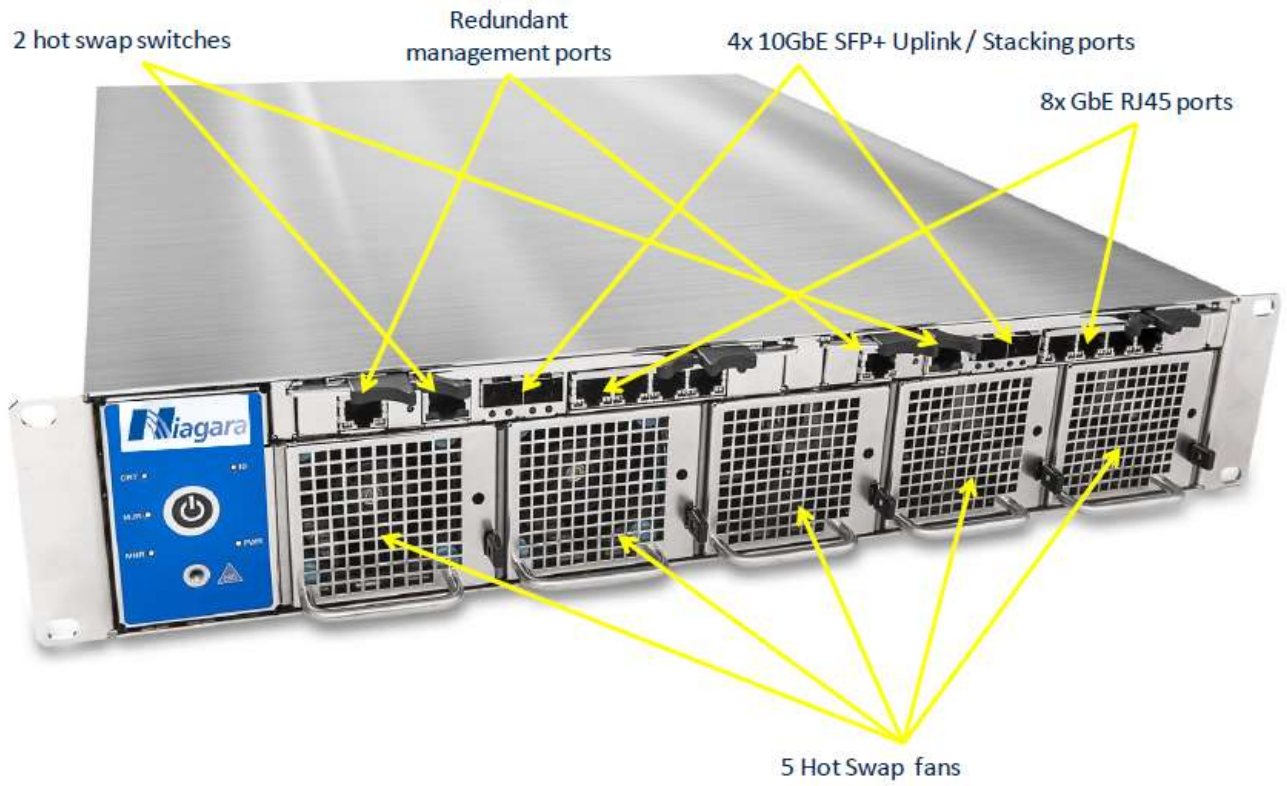
Key Attributes

- > Support for a number of popular protocols
- > Transcode to RTMP, HLS, MPEG DASH and more
- > Web interface and SNMP provide remote setup, control and monitoring
- > High-efficiency redundant power supplies



Niagara® 9400 Digital Models

Transcoder



Niagara 9400 BASE - Bare Chassis

Niagara® 9400 Digital Models

Transcoder



Niagara 9400-TR Transcode Module

Specifications

Encoding Formats:

- Adobe® Flash® H.264* (RTMP)
- Apple® HTTP Live Streaming (HLS)
- Dynamic Adaptive Streaming over HTTP (MPEG-DASH)
- Microsoft® Live IIS Smooth Streaming
- MPEG 2 Transport Stream (UDP or RTP/FEC)
- H.264 and HEVC codecs, MPEG 2 future release

Transcoding:

- Video Codec Inputs: MPEG-2, H.264 and HEVC
- Audio Codec Inputs: MPEG-1 Layer II, AAC-LC, HE-AAC v1/v2, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3)
- Transport Inputs: MPEG-TS/UDP and RTP/UDP (FEC)

Pre-Processing:

- Adaptive de-interlacing
- Video cropping and rescaling
- Aspect-ratio conversion or pass-through
- Frame rate down and up-conversion

- Video monitor
- Logo & Slate insertion
- Closed-caption and Teletext

Software:

- SCX+
- SNMP - monitoring
- Web SDK (REST API)

Connectivity:

- Rear – 2x1GBE, 4x10GBE*
- Front – 2x1GBE, 4x10GBE + 8x1GBE
- * You can use only one of the 4x10GBE modules
- Optional SFP cages

Dimensions:

2U rack mount appliance (2RU x 17" W x 21" D)

Power:

- 1100W redundant power supplies
- NEMA 5-15 type connectors

Delivering Video Whenever, Wherever

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