

# COMPUTING

## SharpStreamer ISV Ecosystem

### Multiply Your Density

#### Data Sheet

*The SharpStreamer™ ISV Ecosystem offers application developers and their customers a proven solution to significantly increase video processing density*

- SharpStreamer solutions employ Intel® GPU-accelerated video processing engines to achieve higher density/RU
- Artesyn design maximizes processing in a PCI Express form factor compatible with industry-standard servers
- Ecosystem members use the program to test and validate solutions
- Ecosystem member customers can take advantages of the lower CapEx and OpEx benefits of the SharpStreamer approach

The Artesyn Embedded Technologies SharpStreamer™ platform accelerates video processing for service providers and equipment providers in the broadcast, OTT, MSO, ISP, CDN and cloud service provider market. Within those markets, there are multiple applications that can benefit from increased density for video streaming and transcoding. By taking advantage of x86 GPU-accelerated technology in a small and versatile PCI Express footprint, Artesyn's SharpStreamer platform offers application developers a scalable and flexible solution that fits standard server architectures and cloud-based deployments so it's now possible to multiply density without changing or adding servers. With many application developers already innovating around x86 technology and standard servers, Artesyn's SharpStreamer platform offers the possibility of realizing dramatically increased density with low development effort.

The SharpStreamer ISV Ecosystem provides members access to testing and compatibility resources with SharpStreamer solutions to realize these benefits for its customers. SharpStreamer ISV Ecosystem members can benchmark applications, create product briefs, and receive referrals as part of the Ecosystem. By joining the Ecosystem, members can also participate in ongoing innovation and development with Artesyn to achieve maximum density/RU for specific applications, so customers have the assurance of a proven solution.

### SharpStreamer High-Density Video Acceleration Benefits

- Server-based approach
- No dedicated appliances
- Higher H.264/AVC and H.265/HEVC transcoding density
- Scale to cloud-based video and increase your application density

### SharpStreamer ISV Ecosystem Program Overview

- Helps independent software vendors (ISVs) use SharpStreamer approach to achieve higher densities and be more competitive at a lower cost
- Enables ISV platforms to lower CapEx and OpEx costs through a much smaller server footprint and less energy costs
- Provides end customers the assurance of pre-integrated solutions from Artesyn & the SharpStreamer ISV Ecosystem member

## Program Requirements

### Qualification Process

- ISV to provide:
  - Application use case
  - Operating system and kernel running on host and accelerator
  - Details of Intel® Media SDK usage
  - Sales and marketing strategy of complimentary solution

### Validation Process

- Artesyn to provide:
  - Loaner equipment
  - Hardware integration consultation
- ISV to provide:
  - Validation test hardware and software details
  - Integration process and test plan
  - Performance goals and results

To register for the program, please go to the registration page at <http://www.artesyn.com/computing/sharp-streamer-registration> and provide the following information which will be sent to the program coordinator:

1. Name of company
2. Product line compatible with SharpStreamer platform
3. Application description
4. Type of end customers served:
  - a) Service Provider type – check all that apply: ISP, MSO, CDN, CSP, Other
  - b) Equipment vendor – check all that apply: broadcast, telecom, security, military, other
5. Intended performance benchmark testing – describe test plan
6. Test requirements – can your application be tested remotely or do you require hardware?

## SOLUTION SERVICES

Artesyn Embedded Technologies provides a portfolio of solution services optimized to meet your needs throughout the product lifecycle. Design services help speed time-to-market. Deployment services include global 24x7 technical support. Renewal services enable product longevity and technology refresh.

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## Membership Benefits

- “SharpStreamer Validated” logo usage upon completion of above validation process
- Access to SharpStreamer equipment for testing, either remotely or provided to ISV member lab
- Opportunity to create a solutions brief with Artesyn for partner co-promotion
- Listing on Artesyn SharpStreamer ISV Ecosystem website
- Inclusion in SharpStreamer ISV Ecosystem collateral used by Artesyn global direct and extended sales force
- Co-marketing opportunities:
  - Public relations
  - Joint demonstrations at industry events
  - Listing on Artesyn website
  - Co-promotion through social media



[www.artesyn.com](http://www.artesyn.com)