

## M820 Series

# M820L Media Accelerator Card

### ■ Overview

“M820L” is a media accelerator card that can be attached to server system to accelerate codec processes without changing existing users’ server configuration.

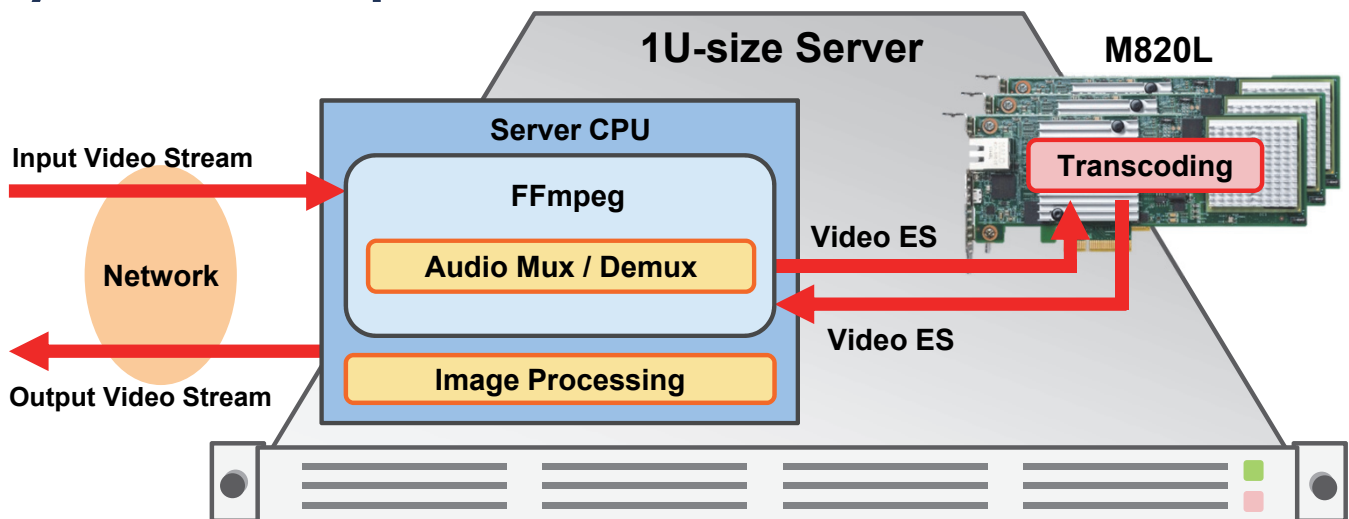
M820L supports multi-format and multi-channel codec with Socionext’s Hybrid Codec Technology which consists powerful hardware engine and flexible software.

M820L is provided with software library that enables users to use function of M820L through FFmpeg which is one of the most popular software in media processing.



M820L

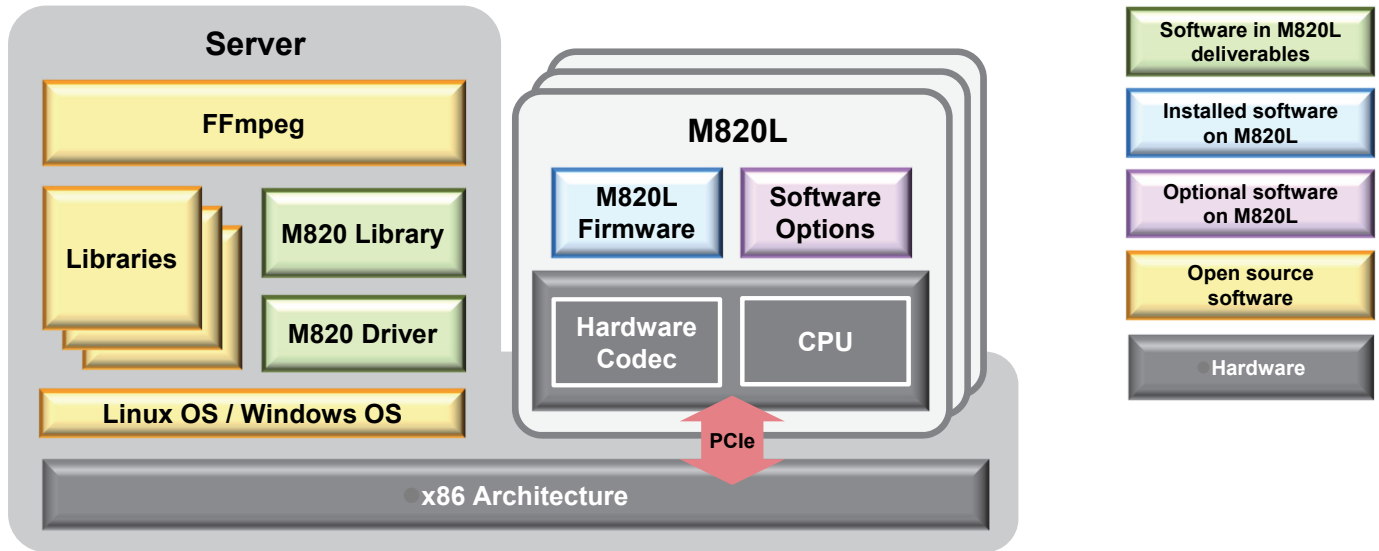
### ■ System Example



### ■ Application

- Live transcoding system of social networking service
- Offline transcoding system of social networking service
- Transcoding system of video archive
- Transcoding system of surveillance center

# Architecture



# Specifications

Item		Specification
Hardware	CPU	Socionext SC2A11 (SynQuacer™)
	Hardware Codec	Socionext Multi-format Codec MB86M30
	PCI Express	Gen 2.0, 4 lanes card edge
	Power Supply	12 V (+/- 8%) / 2 A (supplied from PCI Express card edge)
	Power Consumption	24 W
	Size	167 mm x 69 mm x 20 mm (without low profile or standard I/O bracket )
	Weight	135 g (with low profile I/O bracket) 138 g (with standard I/O bracket)
Function	Accelerated Process	Encoding or Transcoding to HEVC Encoding or Transcoding to AVC
	Max Resolution	4K60p (1ch)
	Example of Max Channel Count	Encoding with 720p30 : 16ch Transcoding with 720p30 : 6ch
	User Interface	FFmpeg 3.4.2 / 4.1
Environment	OS	Red Hat Enterprise Linux 7.6 Windows Server 2016

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## Socionext Inc.

Nomura Shin-Yokohama Bldg.,  
2-10-23 Shin-Yokohama,  
Kohoku-ku, Yokohama, Kanagawa, 222-0033, Japan  
Tel. +81-45-568-1015  
<http://socionext.com>