

M820 Series

M820L Media Accelerator Card

■ Overview

The "M820L" is a media accelerator card that can be attached to a server system to accelerate codec processes without changing existing users' server configuration.

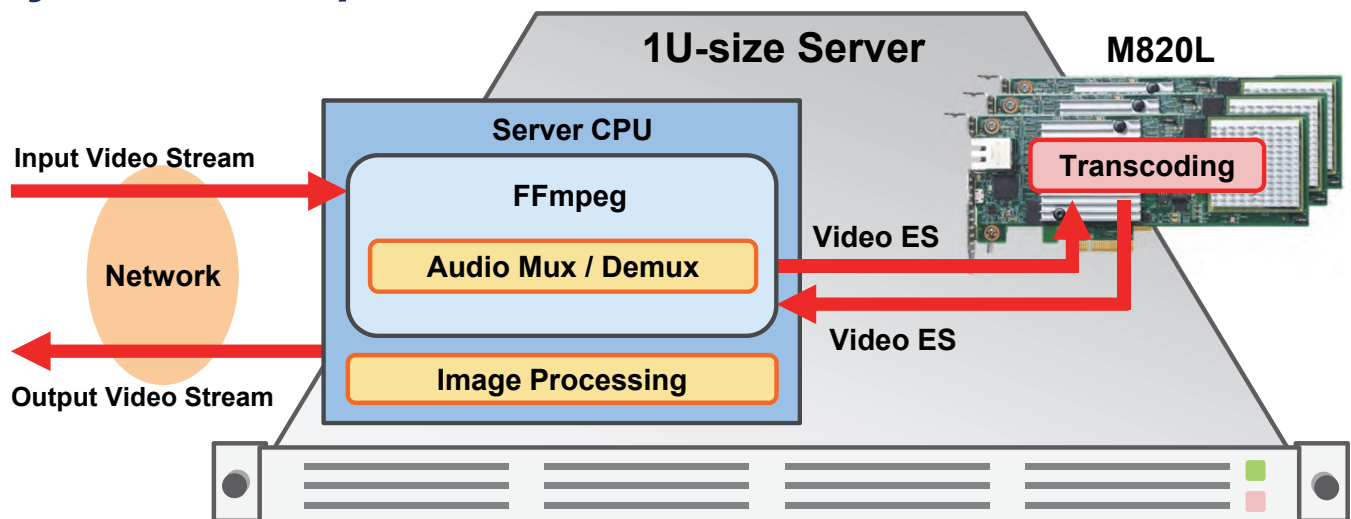
M820L supports multi-format and multi-channel codec with Socionext's Hybrid Codec Technology which consists of a powerful hardware engine and flexible software.



M820L

M820L is offered with a software library that enables users to use functionalities of M820L through FFmpeg, which is one of the most popular software for media processing.

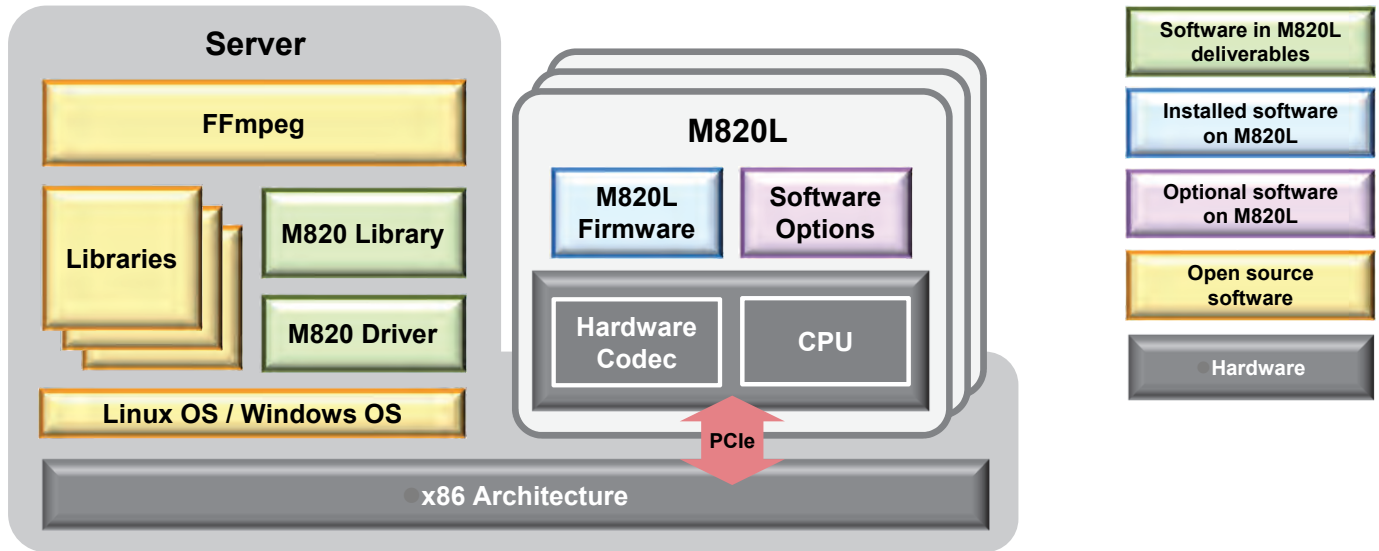
■ System Example



■ Application

- Live transcoding system for social networking services
- Offline transcoding system for social networking services
- Transcoding system for video archiving
- Transcoding system for surveillance centers

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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