

Hybrid Codec 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.

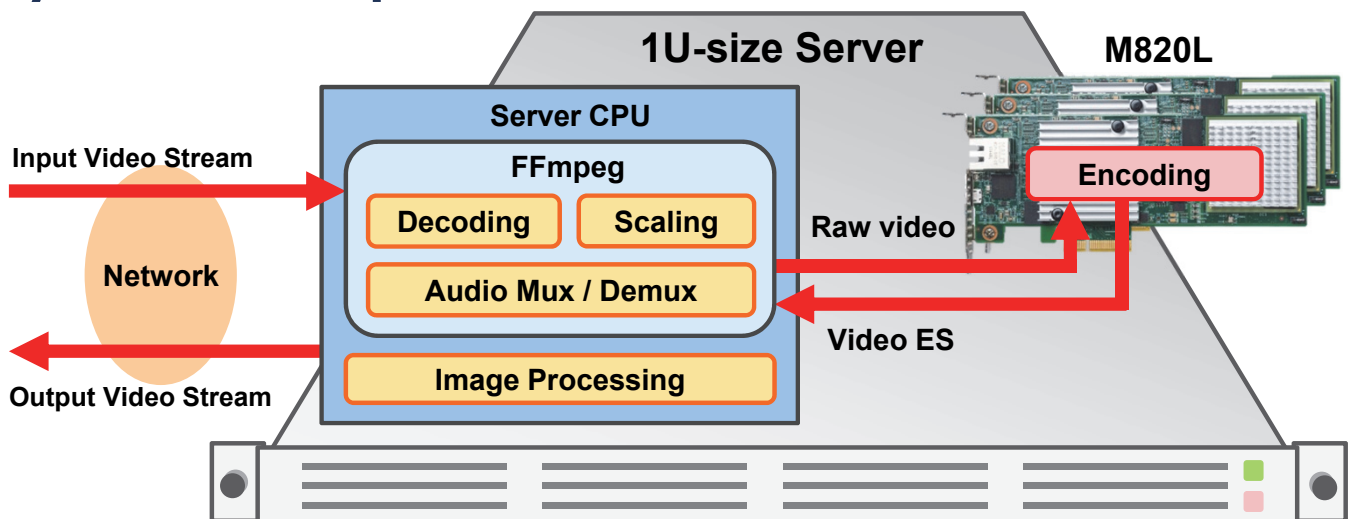
M820L supports multi-format and multi-channel codec with Socionext’s Hybrid Codec Technology which consists powerful hardware engine and flexible software.

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

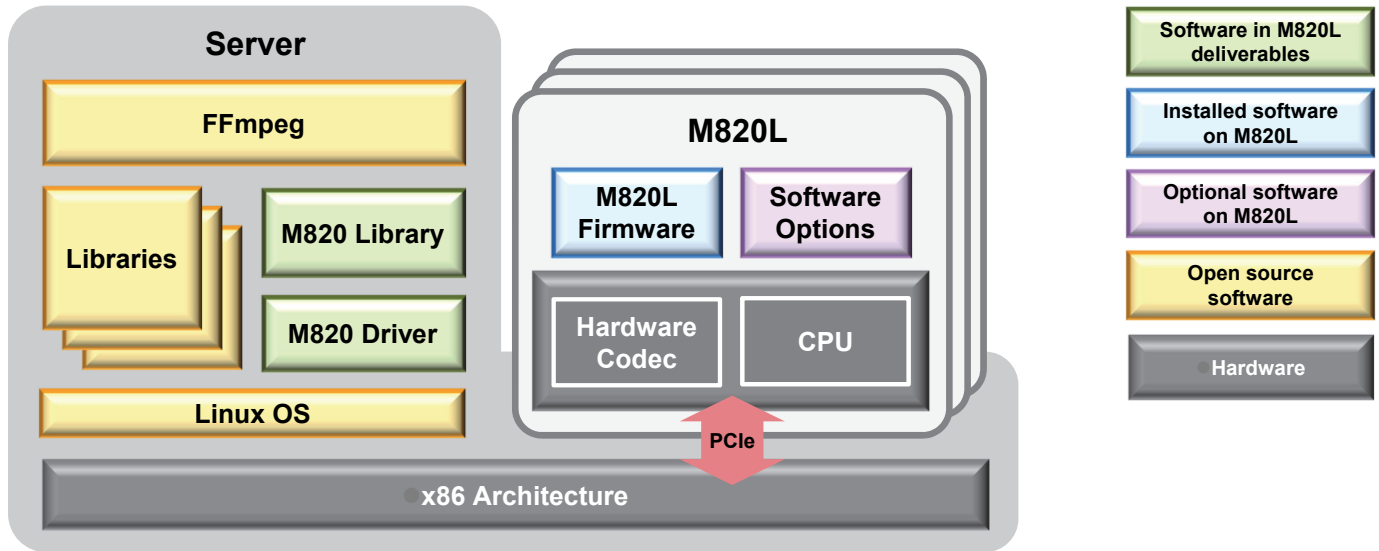
■ System Example



■ 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	179.49 mm x 79.2 mm x 20 mm (with low profile I/O bracket) 179.08 mm x 120.0 mm x 20 mm (with standard I/O bracket)	
	Weight	135 g (with low profile I/O bracket) 138 g (with standard I/O bracket)	
Function	User Interface	FFmpeg	
	Accelerated Process	Encoding or Transcoding to HEVC, Encoding or Transcoding to AVC	
	Spec of Output Video	Resolution	Up to 4K (3840 x 2160)
		Framerate	60p, 50p, 30p, 25p, 24p, 59.94p, 29.97p, 23.97p
		Max channel count	SD : 16ch, HD : 16ch, FHD : 8ch, 4K : 1ch
		Profile	HEVC : Main AVC : Main, High, Baseline, Constrained Baseline, Constrained High
Container	MP4, MPEG-2 TS		
Optional Software		High Performance Option (Plan) Face Recognition Library (Plan)	

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