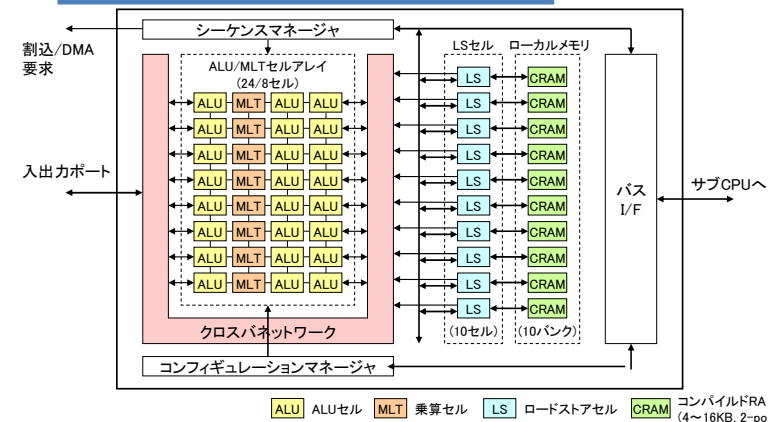
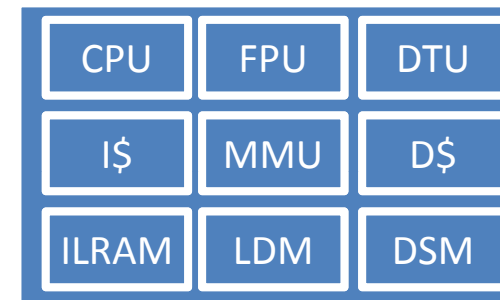
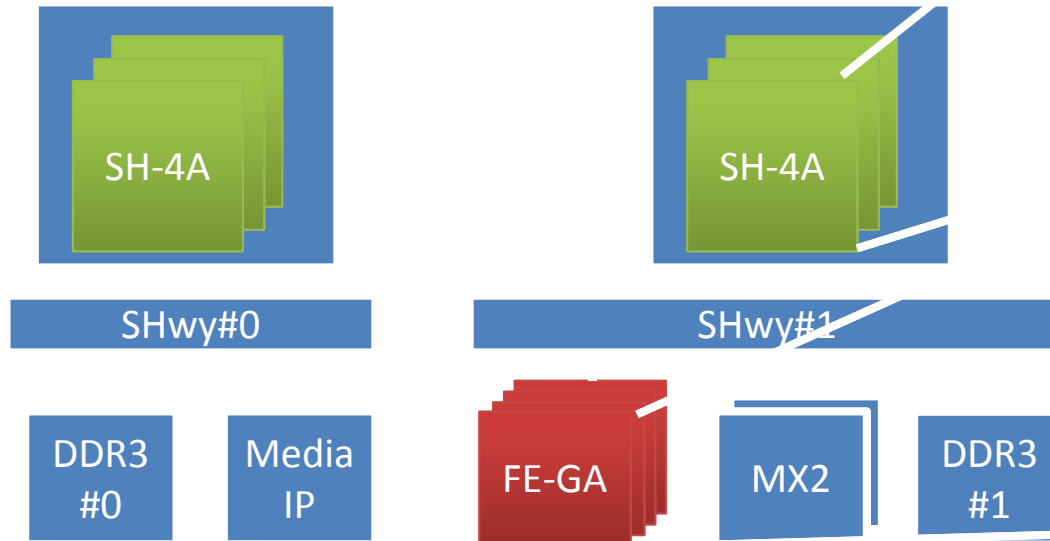


# RP-X processor

15 core Heterogeneous Multicore  
(45nm low power technology)



- 8 Renesas SH-4As as CPUs, 4 Hitachi FE-GAs dynamically reconfigurable processor as accelerators
- I\$:32KB/core, D\$:32KB/core
- Frequency/Voltage State:  
648MHz@1.3V, 324MHz@1.16V, 162MHz@1.0V

"A 45nm 37.3GOPS/W heterogeneous multi-core SoC", IEEE ISSCC2010

Y. Yuyama, M. Ito, Y. Kiyoshige, Y. Nitta, S. Matsui, O.Nishii, A. Hasegawa, M. Ishikawa, T. Yamada, J. Miyakoshi, K. Terada, T. Nojiri, M. Satoh, H. Mizuno, K. Uchiyama, Y. Wada, K. Kimura, H.Kasahara, H. Maejima,