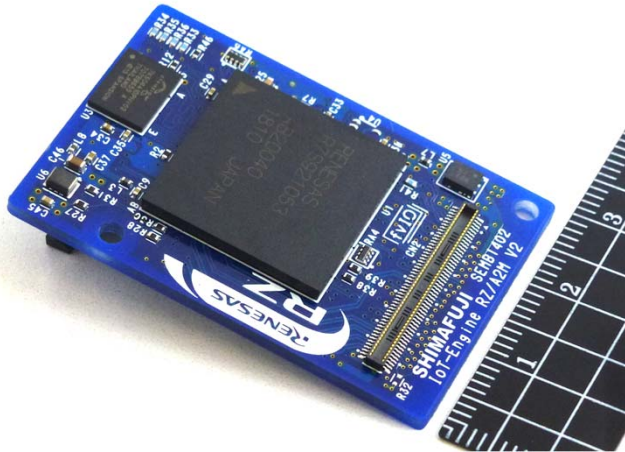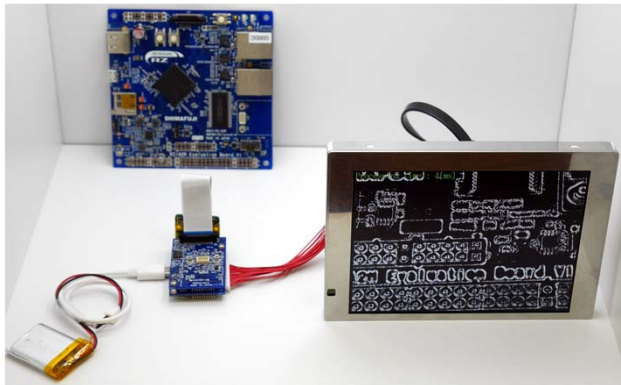# IoT-Engine RZ/A2M (SEMB1402) SHIMAFUJI

This product is a CPU module based on IoT-Engine standard, equipped with Renesas Electronics microcontroller (RZ/A2M).
It could develop IoT devices including image processing/analysis with MIPI camera input interface, Hyper RAM, and LVDS display output interface (when connected to a Base Board SEMB1312).
Acquired images and analysis results can be sent to the server via USB, Wi-Fi, etc.
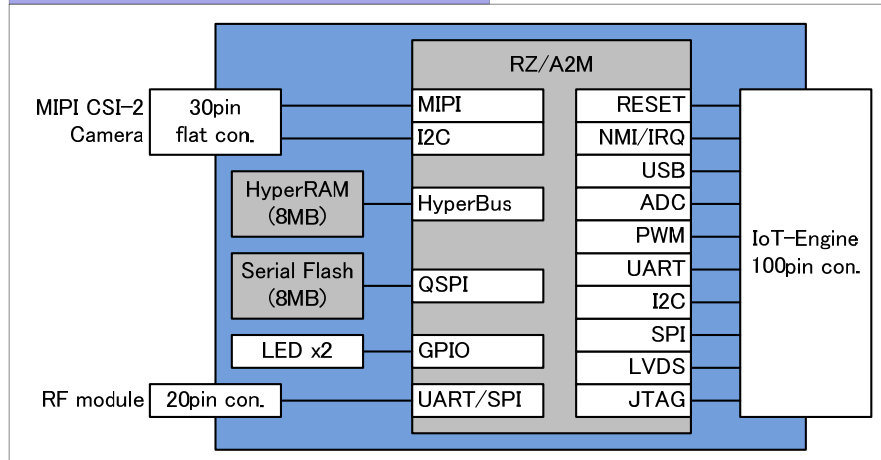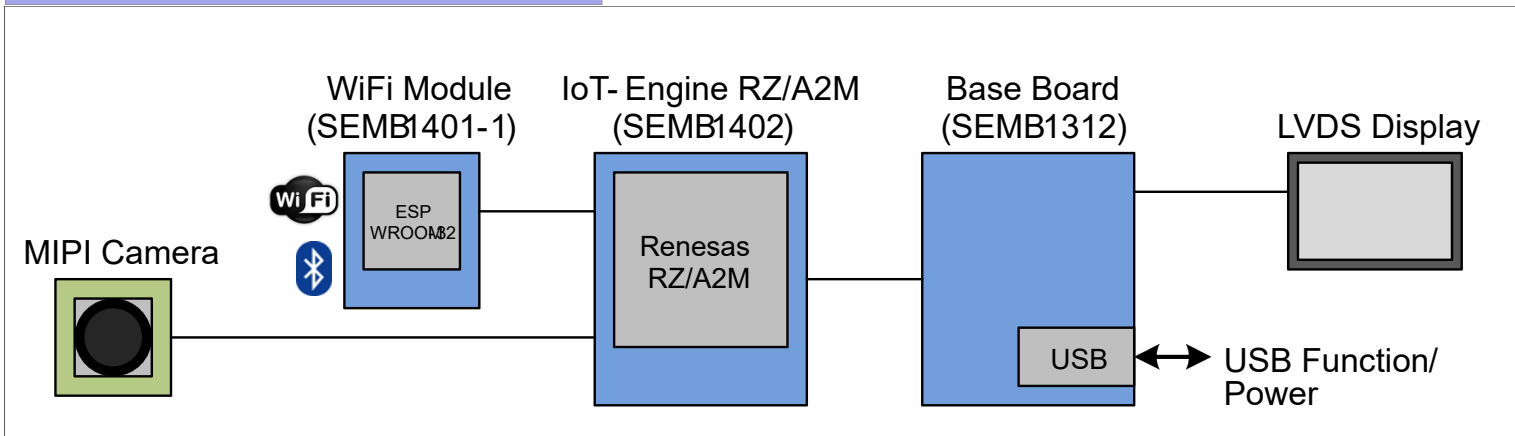

◆ SEMB1401 Specification

CPU	RZ/ A2M R7S921053VCBG 　Cortex-A9　　　　528MHz 　Internal RAM　　4MB 　DRP　　　　　　6 Tiles
Memory	SPI Flash Memory　　　　　　　　　8MB HyperRAM　　　　　　　　　　　　8MB
Connection	MIPI CSI-2 Flat flexible cable connector　x1 IoT-Engine Connector　　　　　　　x1 IoT-Engine RF External Connector　x1
Power	DC3.3V　　　(IoT-Engine Connector)
Size	30mm x 42mm

◆ SEMB1402 Block diagram

◆ Option board connection diagram

The contents of this material might change without notification.

SHIMAFUJI Electric Inc.

6-36-11, Nishikamata, Ota-ku,Tokyo,
144-0051, Japan

TEL　　: +83 03-3733-8308
E-mail : info@shimafuji.co.jp
URL　　: http://www.shimafuji.co.jp

SP29E7001