

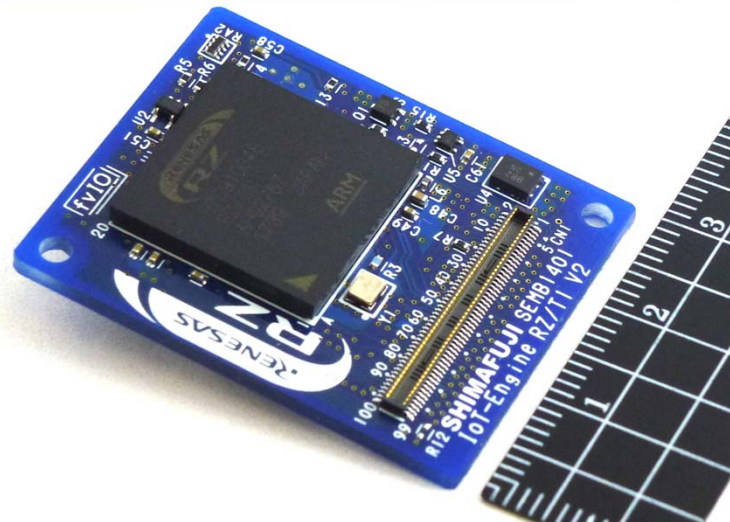
# IoT-Engine RZ/T1 (SEMB1401)

SHIMAFUJI

This SEMB1402 is an IoT-Engine standard CPU module equipped with a Renesas Electronics microcomputer (RZ/T1). The I2C communication of an arbitrary sequence can be executed simultaneously with maximum communication performance on 8 channels without CPU load using fVIO technology.

(Communication is possible without gaps at 400 Kbps)

The acquired data can be sent to the server via USB or WiFi / Wi-SUN.



## ◆ SEMB1401 Specification

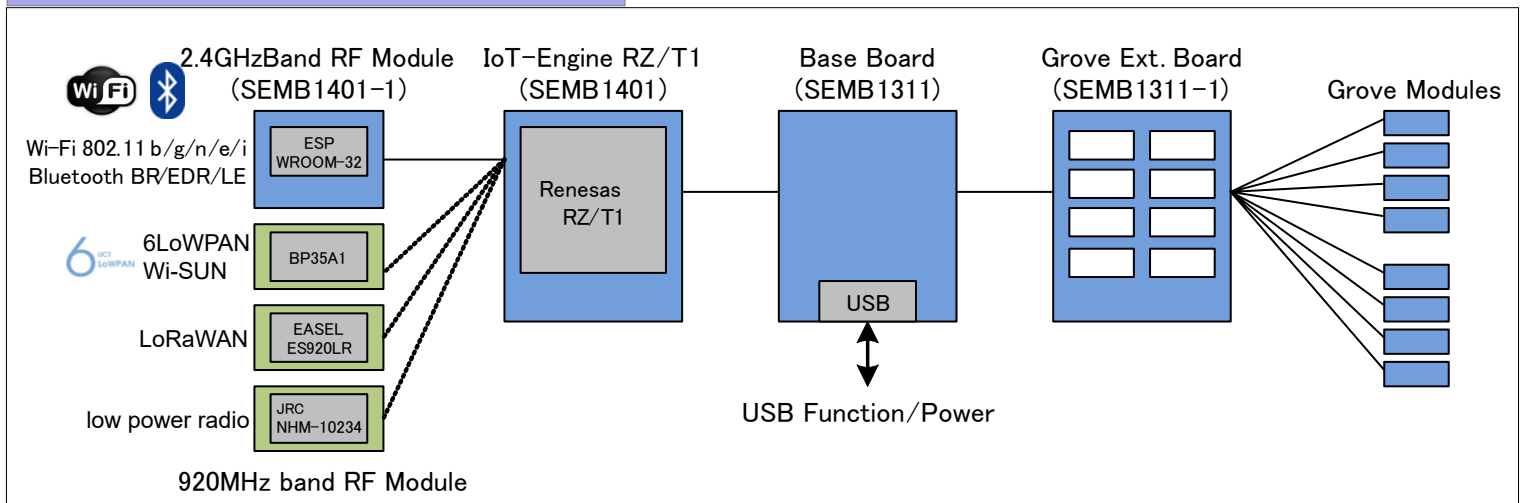
CPU	RZ/T1 Cortex-R4F Build in Memory	600MHz 1024+512KB
Memory	SPI Flash Memory	8MB
Ext. Connector	IoT-Engine Connector IoT-Engine RFEExt. Connector	x1 x1
Power	DC3.3V	(IoT-Engine Connector)
Board Size	30mm x 37mm	



## ◆ Option Board Specification

WiFi	ESP-WROOM-32 WiFi : 802.11 b/g/n/e/i Bluetooth v4.2 BR/EDR, BLE
Ext. I/F	Grove Ext. Connector (I2C) x8 USB2.0 Target (MicroB) x1 JTAG x1
Power	DC 5V (USB MicroB)
Size	30mm x 50mm x 28mm (Excluding protrusions)

## ◆ Option Board Config. Connection



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