

High Performance Narrow Band Power Line Communication Modem IC

Manufacturers

[Renesas Technology Corp](#)

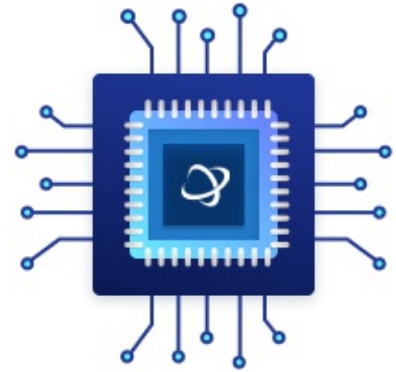
Package/Case

Product Type

Interface ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for R9A06G037GNP#AA0 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Features

High performance DSP

Handles PLC PHY layer and other real time operations

276MHz maximum clock frequency

128KB of instruction RAM and 128KB of data RAM

Dedicated instructions for Vitervi, read Solomon and other

MCU (Arm® Cortex®-M3)

Handles PLC MAC layer and upper layer operation

138 MHz maximum clock frequency

512KB of RAM

AES128 encryption and decryption hardware engine

CRC hardware engine

16KB of shared memory

Analog Front End circuit

Programmable and Multiplexed General-Purpose Input/Output (GPIO) Pins

UART (2ch), CSI (2ch), IIC, Serial-ROM-IF (Single/Dual/Quad), PWM (2ch) and GPIO (16)

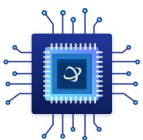
Integrated regulator : 3.3V input and 1.1V output

Power Supply Voltage : 3.3V

PKG: 64-pin QFN, 9mm x 9mm, 0.5mm pitch

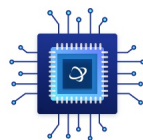
Operating Temperature : -40 to +85°C

Related Products



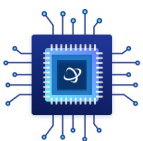
[R9A06G043GBG#AC0](#)

Renesas Technology Corp



[R9A06G064MGBG#BC0](#)

Renesas Technology Corp



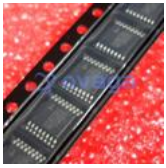
[R9A06G064MGBG#AC0](#)

Renesas Technology Corp



[ISL83491IBZ](#)

Renesas Technology Corp
SOIC-14



[ICL3221EIVZ](#)

Renesas Technology Corp
TSSOP-16



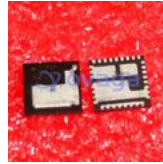
[ISL3170EIUZ](#)

Renesas Technology Corp
MSOP-10



[HIN202EIBNZ](#)

Renesas Technology Corp
SOIC-16



[ISL99227FRZ-T](#)

Renesas Technology Corp
32-PowerWFQFN