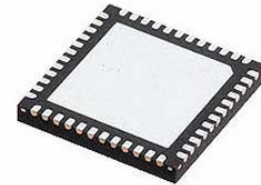


COMM PROCESSOR W/FOUR NEURON COR

Manufacturers	Renesas Technology Corp
Package/Case	48-VFQFN
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for 14550R-500 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Features

Supports worldwide communication standards
ISO/IEC 14908-1 and 14908-2

ANSI 709.1 and ANSI 709.3

EN14908.1

GB/Z 20177.1-2006

High performance

Four independent cores to manage the physical MAC layer, the communication protocol stacks, the user application, and interrupts

Up to 80MHz system clock

64KB RAM and 16KB ROM

Support for larger external flash memories, up to 256KB applications

Unique 48-bit IEEE MAC ID

Support for up to 254 network variables (NVs), 127 aliases and 254 address table entries

Supported channels via external transceivers (partial list):
Twisted Pair TP/XF-1250

Link-Power LPT-11

RS485

ISM-RFIR

HD-PLC

Peripheral interfaces:

5-pin network communications port for external transceivers (3.3V drive and 5V-tolerant pins)

Serial interface for external EEPROM or flash

12 I/O pins with 35 programmable standard I/O modes

Hardware USART

Compatible with low-cost surface mount FT-X3 communications transformer

3.3V operation (5V tolerant digital I/O)

Operational temperature range: -40 °C to 85 °C

48pin QFN package (7mm x 7mm)

Built-in LON, LON/IP, BACnet/IP, and BACnet MS/TP stacks provide compatibility with millions of LON and BACnet devices and enabling IP access to every Neuron 6050 based device

A rich set of LonMark and IoT standard profiles and data types further reduce application development time

Easy migration of existing applications written for previous generation Neuron chips and smart transceivers

Free and royalty-free IzoT SDKs for simple integration with other processors

Integrated flash file system for data logging and other applications requiring persistent storage

Related Products



[HD64F2144FA20V](#)

Renesas Technology Corp
QFP-100



[R5F71474FPV](#)

Renesas Technology Corp
QFP128



[R5S72643P144FPU](#)

Renesas Technology Corp
QFP-208



[HD64F36014FPV](#)

Renesas Technology Corp
TQFP48



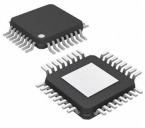
[HD6417014RF28V](#)

Renesas Technology Corp
QFP-112



[HD64F2145BFA20V](#)

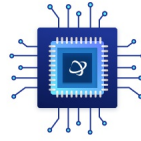
Renesas Technology Corp
QFP100



[R5F21114FP](#)

Renesas Technology Corp

QFP32



[R5F21114DFP](#)

Renesas Technology Corp

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