

Renesas - R0K33062PS001BE - R0K33062PS001BE Starter Kit

Product Overview:

The Renesas Starter Kit for M16C/62P is intended as a user-friendly introductory and evaluation tool for the M16C/62P microcontroller. The board also provides a useful platform for evaluating the Renesas suite of development tools for coding and debugging, using High-performance Embedded Workshop as well as programming the device using E8a emulator and/or Flash Development Toolkit.

The Renesas Starter Kit for M16C/62P may be connected to the host PC using a simple RS232 serial connection (not normally fitted) or via the included USB E8a on chip debugging interface.



The purpose of the board is to enable the user to evaluate the capabilities of the device and its peripherals by giving the user a simple platform on which code can be run only minutes from opening box. It can also prove an invaluable tool in development by providing a useful test platform for code already debugged using one of our more powerful emulation tools.

Kit Contents:

- CPU Board
- Detachable LCD Display Module
- Detachable AD Adjustment Shaft
- E8a Emulator
- Connection Cable (USB Cable, User Interface Cable)
- Quick Start Guide

- CD-ROM
 - Documents : User Manual, Tutorial, and more
 - IDE : High-performance Embedded Workshop
 - C Compiler : Evaluation Version
 - Debugger : E8a Emulator Debugger

Key Features:

- UART/Clock Synchronous Serial Interface: 3 channels
- Clock Synchronous Serial Interface: 2 channels
- 10-bit A/D Converter: 26 channels
- 8-bit D/A Converter: 2
- DMAC: 2 channels
- CRC Calculation Circuit
- Watchdog Timer
- Clock Generation Circuits: Main Clock Generation Circuit, Sub Clock Generation Circuit, On-chip Oscillator, PLL Synthesizer
- Oscillation Stop Detection Function
- Voltage Detection Circuit (Option) (Except for T Version and V Version)
- I/O Ports: 113*
- External Interrupt Pins: 11**
- Data Flash: 4KB (Flash Memory Version only)

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
R0K33062PS001BE	Renesas	1677729	40P3210

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
M30624FGPGP#U5C	Renesas	16BIT MCU FLASH 256K, M16C/62P	1172304	24M5122

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
R0K330290S001BE	Renesas	Starter Kit for RSKM16C29	M16C/29	1677728	40P3209
R0K330879S001BE	Renesas	Starter Kit for M32C/87	M30879FLGP	1677730	40P3211
R0K436079S000BE	Renesas	Starter Kit for H8/36079	HD64F36079GFZ	1677732	40P3212
DM300027	Microchip	DEVELOPMENT BOARD KIT, 16-BIT	PIC24 / dsPIC30F	1367272	39M8082

Document List:

Datasheets:

Part Number	Description	Size
R0K33062PS001BE	Renesas Starter KitRSKM16C62P	453 KB
M16C/62P Group (M16C/62P, M16C/62PT)	SINGLE-CHIP 16-BIT CMOS MICROCOMPUTER	1.1 MB

Application Notes:

File Name	Size
M16C62P Renesas Starter Kit Sample Code	47 KB
M16C62P Renesas Starter Kit Sample Code	48 KB

Hardware & Software:

File Name	Size
Renesas Starter Kit for M16C/62P, M16C/6NK & M32C/87 CPU Board Schematic	108 KB

Others Resources:

File Name	Size
Renesas Starter Kit for M16C/62P Quick Start Guide	140 KB