



Rabbit Semiconductor – 101-1285 - 101-1285 Development Kit

Product Overview:

The MiniCore line is Rabbit's smallest and lowest cost embedded solution. With an integrated hardware and software solution, Rabbit offers you an easy path to add reliable network connectivity enabling you to bring your product to market quickly.

The MiniCore RCM5600W module offers 802.11b/g Wi-Fi connectivity which includes WPA2, WPA and WEP security standards, allowing easy integration and interoperability within Wi-Fi networks. With six serial ports, four configurable as SPI, the RCM5600W can easily embed into any existing or new design and is pin compatible with current and future MiniCore products.



A Development Kit offers the essential hardware tools and includes the Dynamic C® software development system. The Kit contains a prototyping and interface board with USB connections that will allow you to evaluate and debug the RCM5600W.

Kit Contents:

- RCM5600W module.
- 2.4 GHz dipole antenna with mounting bracket and U.FL to RP-SMA connector cable
- Dynamic C CD-ROM, including product documentation on disk
- Universal AC adapter, 5 V DC, 2 A (includes Canada/Japan/U.S., Australia/N.Z., U.K., and European style plugs).
- Digital I/O and Serial Communication accessory boards for use with certain sample programs
- DB9 to 10-pin header serial cable
- Rabbit 5000 Processor Easy Reference poster
- Interface Board with standoffs/connectors
- Prototyping Board with standoffs/connectors
- USB cable to program RCM5600W via Interface Board
- Getting Started instructions
- Registration card

Key Features:

- Rabbit® 5000 running at 74 MHz
- On-board single-chip 802.11b/g transceiver
- Up to 35 GP I/O lines and six serial ports
- 1 MB SRAM and 1 MB serial flash memory
- Built-in web server
- Certified to meet FCC and other international regulatory requirements
- Easy-to-use integrated design environment

Ordering Information:

Products:

| Part Number | Manufacturer | Farnell P/N | Newark P/N |
|-------------|----------------------|-------------|------------|
| 101-1285 | Rabbit Semiconductor | 1706345 | 08R6009 |

Associated Products:

| Part Number | Manufacturer | Description | Farnell P/N | Newark P/N |
|-------------|----------------------|--------------------------|-------------|------------|
| 20-101-1265 | Rabbit Semiconductor | MiniCore RCM5600W Module | 1706346 | 08R6048 |

Similar Products:

| Part Number | Manufacturer | Description | Support Device | Farnell P/N | Newark P/N |
|-------------|----------------------|----------------------------------|----------------|-------------|------------|
| 101-1284 | Rabbit Semiconductor | 802.11b/g Wi-Fi Dev Kit Standard | RCM5000 | 1706344 | 33P9004 |

Document List:

Datasheets:

| Part Number | Description | Size |
|-------------|------------------------------|--------|
| RCM5600W | RCM5600W | 1.68MB |
| RCM5600W | User Manuals | 3.37MB |

Application Notes:

| File Name | Size |
|-------------------------------------------------|--------|
| An Introduction to TCP/IP | 86KB |
| An Introduction to Wi-Fi | 1.84MB |
| Designing With Wireless Rabbits | 374KB |

Hardware & Software:

| File Name | Size |
|----------------------------------------------------------------|--------|
| MiniCore RCM5600W Schematic | 402KB |
| MiniCore Prototyping Board Schematic | 338KB |
| MiniCore Interface Board Schematic | 228KB |
| Digital I/O Accessory Board Schematic | 198KB |
| Serial Communication Accessory Board Schematic | 171KB |
| Dynamic C 10 User's Manual | 4.4MB |
| Dynamic C Function Reference Manual | 0.97MB |
| Dynamic C TCP/IP User's Manual Vol. 1 | 388KB |
| Dynamic C TCP/IP User's Manual Vol. 2 | 669KB |

Others Resources:

| File Name | Size |
|---------------------------------------------------|-------|
| Rabbit 5000 Easy Reference Poster | 152KB |