MAXIM

iButton Starter Kit

DS9092K

_____ *General Description*

The DS9092K iButton® Starter Kit provides the basic hardware for a quick evaluation of the Maxim iButton family of products that communicate using the 1-Wire® protocol. The kit uses the USB port of a Microsoft Windows®-based Personal Computer running Vista™, XP SP2 (or higher), or Microsoft Server Operating Systems Windows 2003 or 2008. The kit includes several iButtons as well as an assortment of accessories. The easy setup process includes the free download of 1-Wire drivers and the OneWireViewer demonstration software to easily communicate with iButtons through the PC's USB port. The download site for the free 1-Wire drivers and bundled OneWireViewer is found at:

http://www.maxim-ic.com/1-wiredrivers

For software developers who wish to create custom iButton applications, Maxim provides documentation and a free library of source code examples at http://www.maxim-ic.com/ibutton under the Software Development Kits link. Please check our website regularly for software updates.

To evaluate plastic-packaged 1-Wire devices instead of the iButton form factor, use the DS9090K instead of the DS9092K.

_____ *Ordering Information*

PART	TYPE
DS9092K#	EV Kit

 # Denotes an RoHS-compliant device that may include lead(Pb) that is exempt under the RoHS requirements.

Windows and Vista are registered trademarks of Microsoft Corp.
1-Wire and iButton are registered trademarks of Maxim Integrated Products, Inc.
Blue Dot is a trademark of Maxim Integrated Products, Inc.

_____ *Features*

♦ **Starter Kit to help evaluate iButton technology using a Microsoft Windows-based PC**
♦ **Easy Setup with USB adapter**
♦ **Free download of 1-Wire drivers and OneWireViewer Demonstration Software**

_____ *EV Kit Contents*

QTY	DESCRIPTION
1	DS1904-F5 iButton Real Time Clock
1	DS1971-F3 iButton 256-bit EEPROM
1	DS1971-F5 iButton 256-bit EEPROM
1	DS1990-F5 Serial Number iButton
1	DS1996-F5 iButton 64-kbit Memory
5	DS9093F, DS9093AB/AG/AR/AY key fobs
1	DS1402D-DR8 dual Blue Dot™ Receptor
1	DS9490R USB to 1-Wire adapter

For pricing, delivery, and ordering information, please contact Maxim Direct at 1-888-629-4642, or visit Maxim's website at www.maxim-ic.com REV:042309

iButton Starter Kit

_____**Getting Started**

- Go to http://www.maxim-ic.com/1-wiredrivers and download the latest 1-Wire drivers with bundled OneWireViewer demonstration software. Follow the instructions on the download site for selecting the correct driver package and to start the installation wizard.

- **IMPORTANT**: Do not install the DS9490R into your USB port until you have completed the installation wizard in the previous step.

- After running the 1-Wire installation wizard, make sure you have internet available and plug the DS9490R USB adapter in to a free USB port in your PC. Windows will continue the installation of the USB driver but first search the Microsoft web-site for updates. If you do not have internet available, the USB driver installation process can hang up for more than 10 minutes before it times out.

- Plug the RJ-11 Modular connector of the DS1402D-DR8 Blue Dot Receptor into the DS9490R USB adapter.

- Optionally snap the iButton into the key fob. This makes easier removal of the iButton from the Blue Dot Receptor.

- Start OneWireViewer software by clicking on its icon. This application may also be found under Microsoft Start under the folder "1-Wire Drivers x86".

- Snap the iButton (optionally with key fob) into the Blue Dot Receptor and you will see its address displayed. Click on the address to access screens that show all the functions of each iButton. Then, follow the instructions for missioning and reading the contents of a Thermochron.

For more details on using the OneWireViewer, please see the following application notes:

Application Note 4373: OneWireViewer and iButton® Quick Start Guide

Application Note 3358: OneWireViewer User's Guide

_____**Software Development**

For developing applications for the Thermochron as well as other iButtons, Maxim offers three software development kits (SDKs):

1-Wire SDK for Windows. This SDK is aimed primarily at PC host environments running Microsoft Windows. The kit contains sample programs in C#, VB.NET, VB 6.0, C, and Delphi, along with HTML documentation for help in utilizing our Windows APIs. These APIs include the 1-Wire API for .NET, the much smaller 1-Wire API for Microsoft's Compact .NET Framework (Windows CE/Mobile), and the TMEX API at the lowest level. Download here:

http://www.maxim-ic.com/products/ibutton/software/tmex/index.cfm.

1-Wire API for Java. This is the foundation for developing robust 1-Wire and iButton software on platforms that have a Java Virtual Machine. It includes the above-mentioned OneWireViewer utility and its Java source code. It can be found here:

http://www.maxim-ic.com/products/ibutton/software/1wire/1wire_api.cfm.

1-Wire Public Domain Kit. This kit includes a public domain API and example programs written entirely in C and designed to be portable across multiple computer operating systems, handheld operating systems, and microcontroller platforms. The kit contains many sample 1-Wire applications written in C. The SDK's download page is here:

http://www.maxim-ic.com/products/ibutton/software/1wire/wirekit.cfm.

i̲Button Starter Kit

DS9092K

REVISION DATE	DESCRIPTION	PAGES CHANGED
12/03/08	Updated the *General Description* section.	1
	Added *Ordering Information* section.	
	Updated kit photograph.	
	Added *EV Kit Contents* section.	
	Removed outdated items from *Features* list.	
	Reformatted with Maxim logo.	
4/23/09	Added *Getting Started* and *Software Development* Sections.	2

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Temperature Sensor Development Tools *category:*

Click to view products by Maxim *manufacturer:*

Other Similar products are found below :

EVAL-ADT75EBZ T20321SS2B T2016P2CRRXC4S2 DC2507A MAX1617AEVKIT BB-WSK-REF-2 MCP9800DM-TS1 TMPSNSRD-RTD2 MIKROE-2273 MIKROE-2539 MIKROE-2554 DPP201Z000 DPP901Z000 1899 EV-BUNCH-WSN-2Z DPP904R000 KIT0021 SEN0206 SEN0227 MIKROE-2769 SEN-13314 SEN0137 3328 DC1785B MHUM-01 3538 DPP201G000 DFR0066 WPP100B009 393 SDT310LTC100A3850 SI7005EVB-UDP-M3L1 2857 1782 2652 269 3245 3622 3648 3721 4089 4101 4369 4566 4636 4808 4821 AS6200C-WL_EK_AB AS6200-WL_DK_ST AS6200-WL_EK_AB