

Kanda Offer New Support for MICROCHIP PICMicro®

with our new PIC Key fob Field Programmer A portable ICSP in a Key fob package

Summary

Kanda have released a key fob programmer to support the PIC microcontroller range. It uses "One button operation", which means that it is ideal for unskilled operators to do In System Programming. This simplifies production or field updates of products or systems for manufacturers, installers and suppliers of electronic equipment, in all industries including security, medical instrumentation and environmental control.

Who should use the key fob programmer?

The new PICmicro® families such as the PIC18F series have even better In System Programming capabilities than before and the new Kanda Key Fob Programmer allows all designers to take advantage of these features. Anybody who wants to eliminate errors on the production line or do field updates to software on site will like this programmer.

Most manufacturers and distributors of equipment or products discover a need for software upgrade solutions that avoid return to base options or expensive dedicated phone lines, and the Key fob programmer provides a cost-effective answer. This applies to all industries including security and environmental control systems, as well as medical electronics, monitoring equipment and machinery.

What is the key fob programmer?

Kanda are specialists in designing and manufacturing tools for electronics engineers. All our tools have the same design philosophy - they must be cost-effective and easy to use. Our new Key Fob mini-programmer for the popular PIC microcontroller follows these rules and it is the simplest programmer available.

The key fob programmer is literally that, as it comes in a car key fob case. This makes it very small, light and portable, as well being really simple. If you can unlock your car, you can use this programmer. Just plug it into a target circuit and press the button. If the light stays green, programming was successful, a red light means there was a problem - what could be easier than that?

The key fob programmer is first loaded from the PC using simple software and a printer port interface. Once it is loaded, it is completely portable and can be used anywhere. To change the data, such as the PIC device type or the file to program, reload it from the PC as many times as needed.



Technical

- Powered from target circuit
- Low Voltage and High Voltage programming modes
- Supports PIC18F family and most PIC16F family, except PIC16F630 and PIC16F676
- 64KB memory
- Voltage range: PIC18F from 2.7V to 5.5V (Bulk Erase only works above 4.5V)
PIC16F 4.5V to 5.5V
- For Low Voltage support, 128KB memory and Vpp before Vdd programming, see our **Handheld Programmer** - same One Button Operation but more powerful.

Where can the key fob be used?

Once loaded, the key fob programmer can be used where it is needed, not where there is a PC. This makes it ideal for use in the field or on the production line. It is light portable and very easy to use, so it can be applied where there are no computers or no skilled staff. In fact, anywhere that programming is needed.

Key fob on Production and in stores

Production managers do not like complex tools that introduce errors and require highly trained staff. Questions such as “is the correct file loaded?”, “will they select the right configuration options?” or “will they spot verify errors?” can be avoided with the key fob programmer on the line. Once products are in completed and in stores, new configuration software or settings can be programmed before dispatch.

Using the key fob programmer on the production line or in stores gives all these benefits:

- Do not need a PC on the production line
- Do not need skilled operators
- Eliminates programming errors
- Last minute custom software can be added
- And with the Handheld version, even power is not required

Key fob in the field

Having a built-in programmer and a dedicated phone line so you can upgrade via the web is great if daily updates are needed and the cost can be justified but for irregular update needs and one off upgrades the key fob programmer provides a neater solution.

Due to its simple operation, unskilled operators can use it without making mistakes. So, electronics manufacturers and suppliers can use the key fob programmer to avoid programming errors, utilize unskilled staff or eliminate visits.

The Key fob gives major advantages when products or equipment must be updated:

- Send the key fob rather than have to visit the site
- Utilise staff with lower skills
- Allow the end user to upgrade the equipment themselves
- Avoid programming errors

More Information

For more information visit
<http://www.kanda.com/pic-keyfob-handheld.html>

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For a datasheet, copy this link into your browser
<http://www.kanda.com/datasheet/pic-keyfob.pdf>

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