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Prime8 Production Programmer

Sku: 53504-830



Devices Supported

On backorder ([view details](#))
The estimated return to stock date is September 30, 2025

\$899.00 **Backorder**

The Prime8 production programmer has eight high-speed ICSP™ jacks for high volume programming. Ideal for production environments, it can operate as a stand-alone production programmer with its USB Flash card reader, or with CCS software on the PC. Program up to 8 devices individually or concurrently.



New Revision Updates:

- 4.3" Touchscreen LCD user interface to menus and actions when using in standalone mode. Menu in a graphical display for easy icons to read any touch to activate.
- Aluminum enclosure is a smaller, sleek design and more durable for industrial use.
- Flash drive readability and faster programming speed.

Prime8 Advantages:

- 8 MB internal flash for storing up to 4 individual & deployable programs
- Up-to 8 selectable targets
- Can supply up to 200 mA to each target
- Supports 2.0V to 5V targets
- Optional PC control using *CCSLOAD* Software or using an API other software
- Green/Pass, Red/Fail simulated LEDs for each target

Control Menu Features:

- Instruct to program device
- Verify program status
- Enable individual targets
- Specify Hex file
- Read device serial ID
- Create unique serial numbers


Prime8 Key Features:

- ICSP™ functionality with CCS C-Aware IDE Compilers
- Programming and debugging support for Microchip PIC® MCU, dsPIC® DSCs, & flash devices
- Programming support for Microchip PIC32
- Programming support for 8-bit AVR® microcontrollers (HVSP interface is not supported) **Hardware revisions 9 and newer
- Standalone programmer or powers & connects with USB
- Includes FREE [CCSLOAD Software](#)
- Drivers available for Linux and Windows (32 or 64-bit)
- RoHS compliant

Prime8 Includes:

- [USB PC to ICD Cable](#)
- [Eight ICD to Prototype Board Cables](#)
- Power Supply
- Four Rubber Pads
- [CCSLOAD Software](#) on USB flash drive
- Instruction Guide

Computer Requirements: CCS device programmers only work with 32 or 64-bit Windows on Intel®, AMD or Arm® processors, or with Linux on Intel® or AMD processors.

 **CCSLOAD** FREE programmer control software supports the Prime8 and offers many new key features including; powerful command line options in Windows/Linux, extensive diagnostics, easy to use production interface, and enhanced security options.

Prime8 can be paired with [Tag-Connect](#), a cost saving production ICSP™ Programming cable that eliminates the need for a ICSP™ connector on your product. Tag Connect provides a direct pin-to-circuit connection, saving space on your PCB. The modular end works with existing ICD programmers as well as the Prime8.

The [8-bit AVR[®] Programming Adapter](#) can be used to connect the AVR[®] board to the CCS programmer if the board has the standard 2x3 or 2x5 AVR[®] programming connectors on it. See [Connecting to Atmel Hardware](#) if the AVR[®] board has a different connector.

Additional Information

[C-Aware Debugger](#)[CCSLOAD Software](#)[Download Drivers](#)[Devices Supported](#)[Connecting to PIC[®] MCU Hardware](#)[Connecting to Atmel Hardware](#)[Troubleshooting](#)

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