



# *OCTO PROG SERIES*



***OCTO  PROG***  
*For Mass Production*

***OCTO  PROG-C***  
*For automatization of Mass Production*



- *Production Quality In-circuit Channel  
Gang Programmer for Renesas RL78/R8C2x MCU*
- *Programmable Hardware*
- *Easy to use software*

# OCTO PROG

## Production Quality In-circuit 8 Channel Gang Programmer for Renesas RL78/R8C2x MCU

Octoprogram is the high-volume model in our line of high-speed, production grade in-circuit programmers for Renesas microcontrollers. Octoprogram is ideal for non-stop, mass production operations. Using our breakthrough Encrypt Programming technology, Octoprogram ensures the highest level of protection for your intellectual property during the manufacturing process.

### Encrypt Programming

Utilizing Encryption technology, this optional software feature provides several layers of protection that dramatically reduce the risk of unauthorized reconstruction of hex files. These include strong hex file encryption, a counter that ensures the number of programmed devices does not exceed a pre-defined value, and a secure buffer of "invisible" hex data stored in OCTOPROG PROTECTED MEMORY.

### Remote Connectivity

Octoprogram supports Remote connectivity and control of programming through an RS-232 Interface. Octoprogram can be controlled through this RS-232 connector using AT commands. Octoprogram also gives the status of programming to the remote host through the same interface thus helping to make the high-volume production lines fully automatic.

### 24X7 Support

We understand the importance of zero downtime on your assembly line. Neona's technical support engineers are available round-the-clock to provide you with immediate solutions to operational and maintenance issues which may arise.



### Octoprogram Salient Features

- ⦿ High-Speed Programming Device
- ⦿ Designed for In-circuit (ICP tn) programming of Renesas MCUs, 16-bit.
- ⦿ Ultra fast programming of up to 8 channels simultaneously.
- ⦿ Test Vdd and Vpp for overload with indication by software
- ⦿ R232- Interface for remote connectivity and automation of production.

### Programmable Hardware

- ⦿ Hex File download via USB
- ⦿ Vdd current limit: 100mA per channel
- ⦿ Prevents damage to connected microcontroller in case of power on and off

### Easy to use software

- ⦿ Crypto Software with Hex file download feature including hex file encryption and product counter

### Host System Requirements

- ⦿ Windows<sup>®</sup> - xp/vista/7
- ⦿ USB-2.0

### About Neona Embedded Labz

Neona embedded labz specializes in embedded system design and android interface based on Renesas micro controllers. Since 2010, our high performance, cost effective solutions have been used to manufacture millions of products worldwide. Leveraging our technical know-how and extensive field experience, Neona Embedded Labz octoprogram family of production grade programmers reduce manufacturing costs and accelerate time to market