

# Renesas Ready Ecosystem Partner Solution Algocraft $\mu$ ISP In-System Programmers

RENESAS

PARTNER  
NETWORK

READY

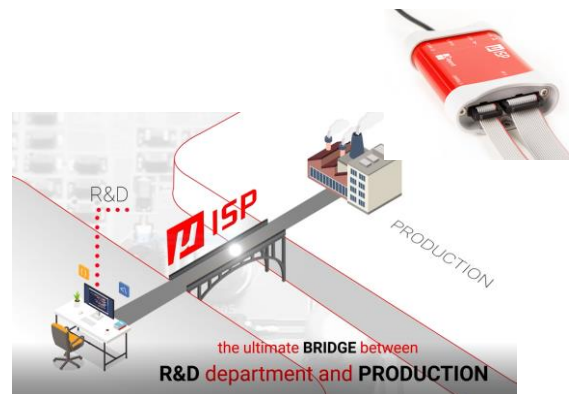
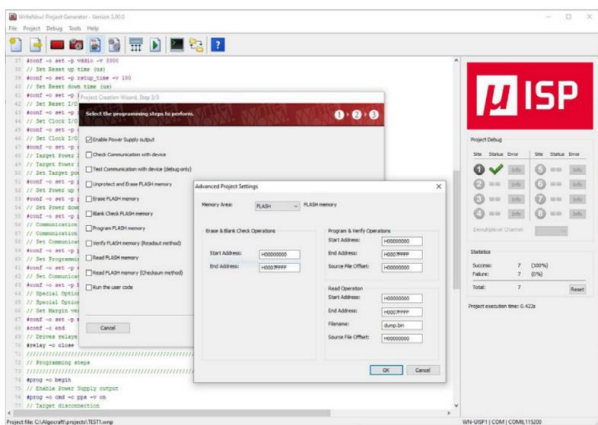
## Solution Summary

$\mu$ ISP is a single-site in-system programmer. It can either work connected to a host PC or in standalone mode. The programming cycle execution in standalone mode may occur by simply pressing the START button or through some TTL control lines. Its compact size and versatility allows a simple integration into production environments, manual and automatic processes. Main Renesas microcontrollers are supported [RA Family](#), [RX Family](#) and [RL78 Family](#).

## Features/Benefits

- Supports microcontrollers, serial memories and other programmable devices
- Supports range of Renesas MCUs (RA, RX, RL78), automotive and legacy products
- Compact size (fixture friendly)
- Standalone operations (START Push button and low-level interface) or host controlled (USB, LAN, RS-232)

## Diagrams/Graphics



## Target Markets and Applications

- On-board programming
- Budget-sensitive in-system programming
- Handheld instrument for in field-programming
- Functional test

## μISP Programmers

- ▶ Ultra-fast, universal In-System Programmer
- ▶ Standalone operations or host controlled
- ▶ Easy to install and to use
- ▶ Compact size, fixture friendly
- ▶ Thousands of supported devices with different programming protocols



## DIFFERENT PROGRAMMING INSTALLATIONS

Based on the WriteNow! proprietary Technology, the μISP Series of In-System Programmers are professional programming instruments dedicated to the programming and testing of devices. Algocraft's μISP series finds different applications into the device programming field: into an on-board programming system for standalone stations or into automatic test equipment.



### Stand-alone – Manual Programming

Once the programmer is configured, the programming cycle is executed by simply pressing the START button.



### Stand-alone – Manual Programming

After the configuration of the parameters, the programmer can only be controlled by I/O lines in TTL logic (START, BUSY, PASS/FAIL)



### Host PC Controlled via GUI

The Project Generator guides you through the creation and debugging of a programming Project in few guided steps.

### Host PC controlled via DLL and command line utilities

Simplifies the design of your own PC software. μISP can be controlled through simple ASCII strings by way of a standard terminal interface.

C# C++  
Labview  
Python  
Java Basic

## ORDERING INFORMATION

μISP series was designed also to offer the support of Renesas, no matter the family or the programming protocol. This enables an easy migration from the tools used in the laboratory of R&D departments towards a programming solution for production.

Models	
UISP1-UNIVERSAL	μISP Programmer for all devices (universal)
UISP1-RENEASAS	μISP Programmer for Renesas devices

[μISP1-Renesas - Algocraft](#)