

SLG7IO

GreenPAK™ I/O Expander Standard Designs

Description

[SLG7IO](#) is a collection of Renesas GreenPAK I/O expander standard designs. Each design is a pre-configured solution for extending GPIO capability and consolidating digital control functions using GreenPAK devices.

The collection includes GPIO and I²C- or SPI-controlled I/O expansion options, from compact 6-GPIO implementations to designs supporting larger input and output counts.

Every SLG7IO standard design can be further customized to meet specific customer requirements, including I/O count, control logic, interface behavior, and package selection.

Full datasheets for individual standard designs are available upon request. Contact greenpak@renesas.com.

Features

- Pre-configured GreenPAK I/O expander designs
- GPIO and I²C- or SPI-controlled expansion options
- Compact package options for space-constrained systems
- Flexible input and output configurations
- Programmable control and glue-logic integration
- Ready for evaluation and further customization

Applications

- GPIO expansion for processors and controllers
- Board-management and peripheral control
- Industrial and embedded control systems
- Space-constrained consumer electronics

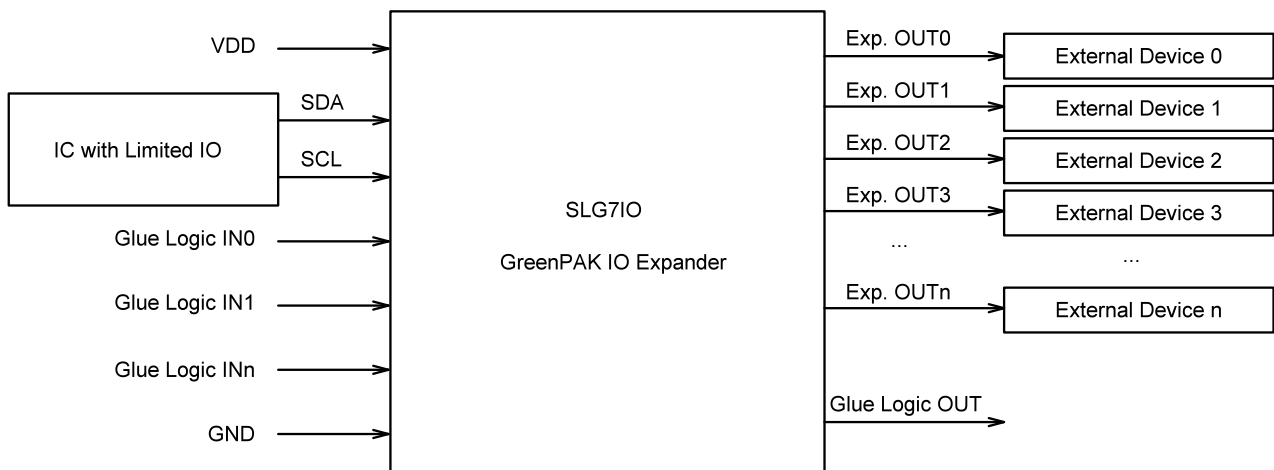


Figure 1. SLG7IO IO Expander – Typical Application Block Diagram

The complete, up-to-date list of available standard designs is published in the Product Options section of the SLG7IO product page. Each design is ready for evaluation and can be further customized to meet specific customer requirements. Individual datasheets are available on request via greenpak@renesas.com.