



UG101: UART-EZSP Gateway Protocol Reference

This version of UG101 has been deprecated with the release of Simplicity SDK Suite 2025.12.0. For the latest version, see docs.silabs.com.

This document describes the protocol used by the UART-based EmberZNet Serial Protocol (UART-EZSP) to reliably carry commands and responses between a host processor and a Network Co-Processor (NCP).

KEY FEATURES

- Compares the benefits of communications using UART and SPI.
- Describes the EZSP-UART general frame format.
- Discusses the various types of frames.
- Describes ASH protocol operations.
- Reviews the characteristics of the CONNECTED and FAILED states.
- Summarizes configuration parameters.