SLIDAS an S-LINK Infinite Data Source


The SLIDAS is a stand-alone device that connects to the S-LINK connector of a ROMB. Its purpose is to test the ROMB at its S-LINK interface without having to set up a real S-LINK just for this task.

With the SLIDAS, the user can select among a wide variety of data patterns to transfer to the ROMB. The data patterns are choosable in terms of contents, length, bandwidth and error contents.

**Characteristics of the SLIDAS:**

- Data patterns: walking 1, walking 0, alternating FF/00, alternating AA/55, random data, Read-out
- Driver formats
- Data length selectable between 0 and 8 Kwords
- Frequency of LCLK is selectable between 0.5 Hz and 40 MHz
- Emulation of errors in the data stream
- LED indicators for all the S-link connector signals
- Emulation of LDOWN via a switch
- Three connectors allow viewing of data and control signals with a logic analyser. (The connectors have the same layout as on SLIBOX and on SLIDAD)
- Start/stop possible under program control with optional cable (URL0 emulates Start)
- 5V power supply
- Data widths of 8, 16 or 32 bits
New features of SLIDAS (mkII)

- Event Trigger - Internal 75 KHz or external (via Lemo)
- Selectable Event size includes 128 and 512 words
- Conforms to new Data Format
- Busy generated after 512 unsent events
- Module “blocks” after 1024 unsent events
- No hardware mods
- Ready in September
Other S-LINK news

- Under development - “Y2K” S-LINK running at 40 MHz, 32 +1 bits

- Integrated FCS-LINK to PMC (only Destination) designed in Krakow

http://www.ifj.edu.pl/~iwanski/fcs-pmc/fcs-pmc.html