

OVERVIEW

Serial Attached SCSI (SAS) is a point-to-point serial protocol that moves data to and from computer storage devices such as hard drives and tape drives. SAS replaces the older Parallel SCSI (Parallel Small Computer System Interface, usually pronounced "scuzzy") bus technology that first appeared in the mid-1980s. SAS, like its predecessor, uses the standard SCSI Commands. SAS offers optional compatibility with Serial ATA (SATA), versions 2 and later. This allows the connection of SATA drives to most SAS controllers. The reverse, connecting SAS drives to SATA backplanes, is not possible.

Integration with emulator platform and its transistors will cover later in this doc.

GENERAL ARCHITECTURE

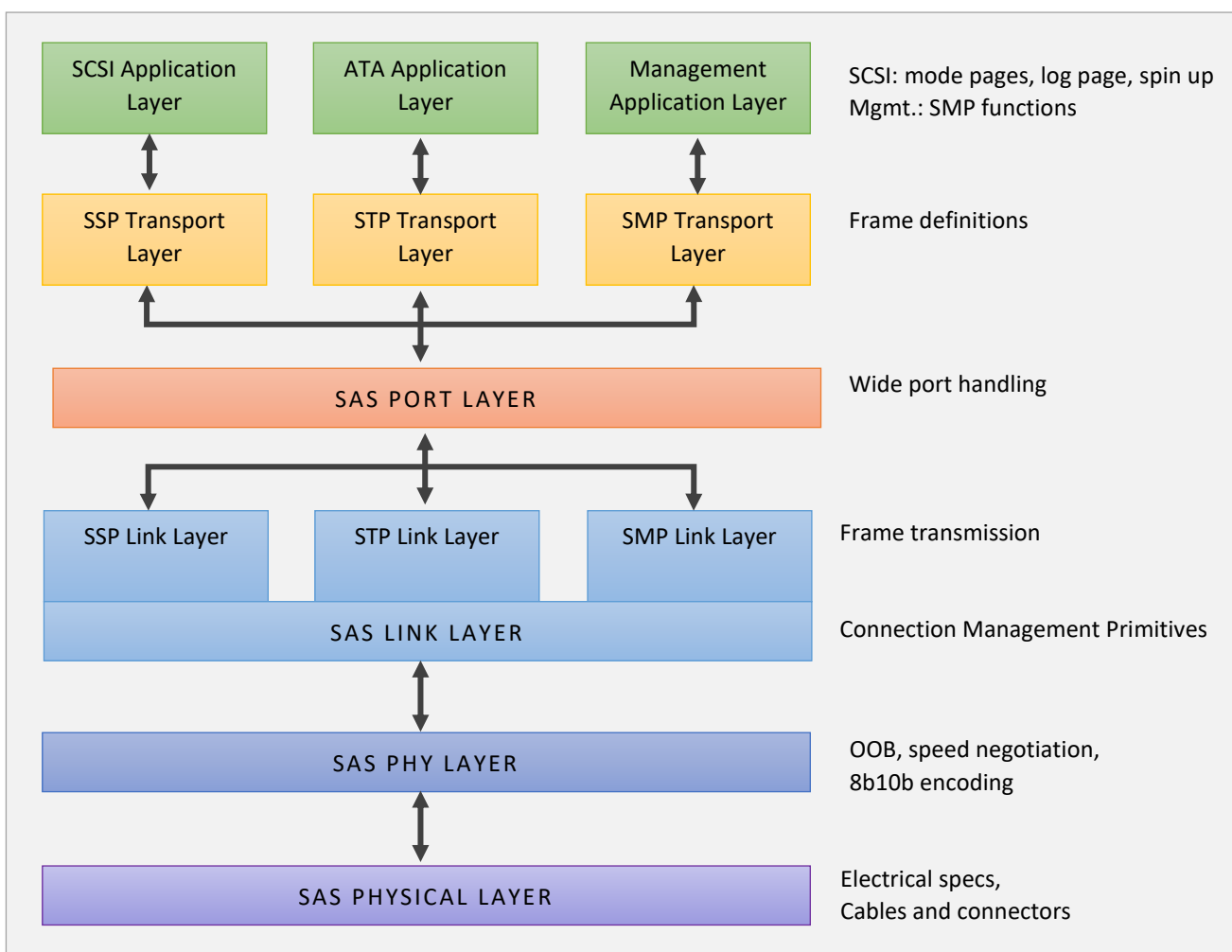


Figure 1: SAS Layered Architecture Diagram

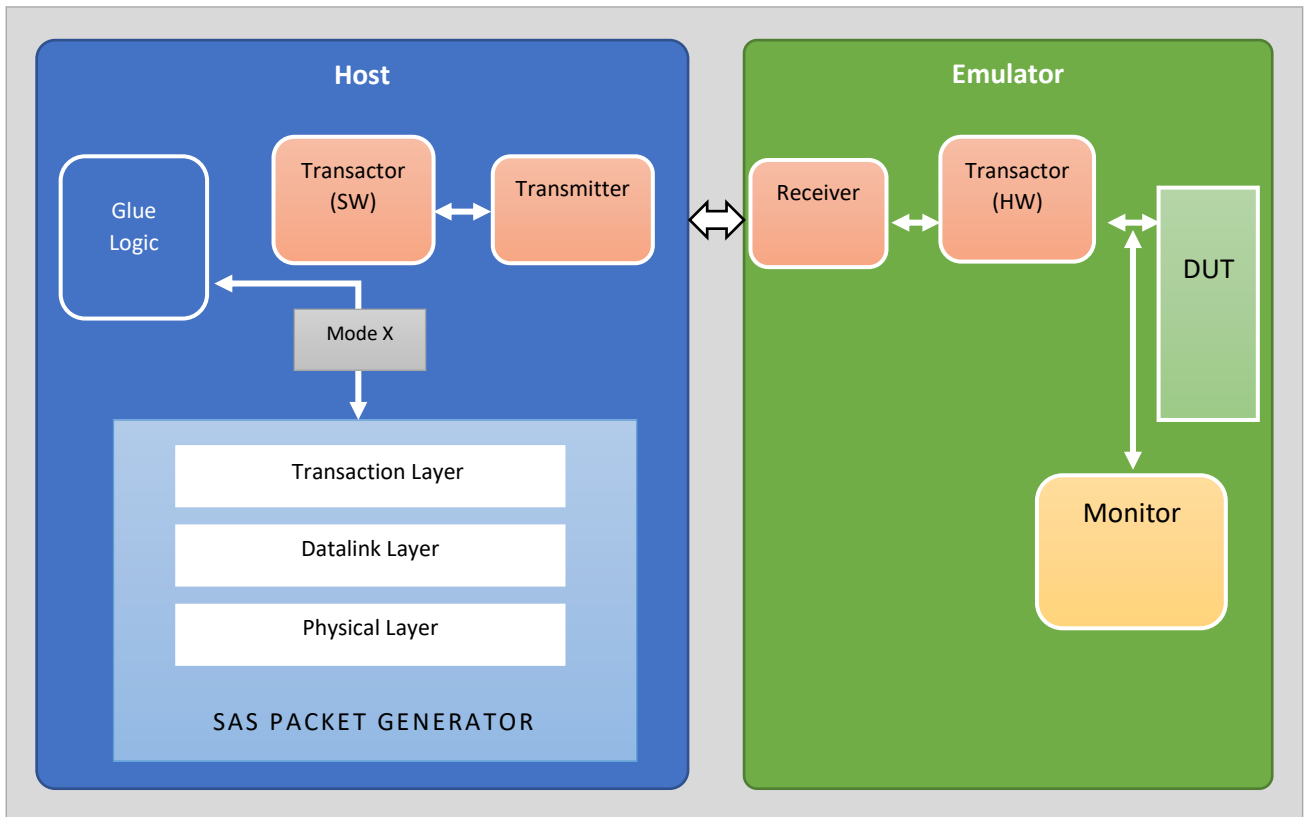


Figure 2: SAS PACKET GENERATOR in EMULATION PLATFORM

REFERENCE

SAS Protocol Layer - 5 (SPL-5) Rev 02

Tools & Technologies:
 Verilog, SystemVerilog, C, DPI, UVM
 EDA Tools
 Emulators