
SATA 3.0

Features

- Standard PHY interface (PIPE) enables multiple IP sources for SATA 3.0 MAC Layer
- Supports 1.5 GT/s, 3.0 GT/s and 6.0 GT/s serial data transmission rate
- Supports 16- or 32-bit parallel interface when encoding/decoding enabled
- Supports 20-bit parallel interface when encoding/decoding bypassed
- Supports PCLK as PHY output
- Data and clock recovery from serial stream
- 8b/10b encoder/decoder and error indication
- Support power change and rate change in same PCLK cycle
- COMWAKE, COMINIT and COMRESET(OOB) transmission and reception
- Supports transmitting LFPS when power state changes
- Compliant with SATA 3.0 specification

Applications

- PC
- Data Storage
- Multimedia Devices