DOLPHIN TECHNOLOGY PRODUCT OFFERING
SERDES

MEMORY CONTROLLER

Dolphin Technology's SERDES solution is an 8 channel, multi-protocol SERDES that operates at speeds up to 16Gbps per channel. It supports a variety of industry standards such as PCIe4/3/2/1, USB3.x, 10GBASE-KR, 10GBASE-X, SATA3/2/1, XAUI and RXAUI.

Dolphin's SERDES solution supports all TSMC process nodes.
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8 channel SERDES (TXRX), operating at data rates from 1.5Gbps to 16Gbps per channel	●
Provides interfaces for multiple protocols	●
TX with serial output driver, with calibrated on-chip termination resistor	●
5-tap TX de-emphasis	●
Spread Spectrum Clocking (SSC)	●
Serial input receiver with calibrated on-chip termination resistor	●
AFE with Adaptive Continuous Time Linear Equalizer (ACTLE)	●
Decision Feedback Equalization (DFE)	●
Eye monitor	●
Serial and parallel loopbacks	●
Loss of signal detector	●
AC JTAG	●
2 power supplies of 0.8V and 1.2V	●