SOLUTIONS FOR SFP+ AND XFP MODULES

SFP+ is a critical emerging optical module form factor and Gennum's CDRs offer a "plug and play" experience to speed time to market for next generation designs. Using a CDR to clean the signal within a module improves the robustness of the link and eases the high-speed performance requirements of the host ASIC. The benefits of a dedicated CDR help to deliver unprecedented 10Gbps performance with SFP+ modules.

XFP optical modules are developing strong momentum in the marketplace. Gennum's second generation CDRs have achieved excellent performance in SONET, Ethernet and Fibre Channel applications through improved jitter generation, jitter transfer and jitter tolerance. All of this has been achieved with expanded data rate coverage to 11.3Gb/s and significantly reduced power consumption.

CDR PRODUCT PORTFOLIO

PRODUCT NAME	DESCRIPTION	TYPICAL APPLICATIOIN
GN2003S	9.95-11.3 Gb/s CDR with Limiting Amp Input	SONET, Receive
GN2004S	9.95-11.3 Gb/s CDR with Equalizer Input	SONET, Transmit
GN2023	9.95-10.52 Gb/s CDR with Limiting Amp Input	Ethernet, Receive
GN2024	9.95-10.52 Gb/s CDR with Equalizer Input	Ethernet, Transmit
GN2013A	9.95-11.3 Gb/s CDR with Limiting Amp Input and Slice Level Adjust	SONET, Receive, Long Range
GN2014A	9.95-11.3 Gb/s CDR with Equalizer Input and VCSEL Driver	Ethernet, Transmit
GN1113	8.5 Gb/s CDR with Limiting Amp Input*	Fibre Channel, Receive
GN1114	8.5 Gb/s CDR with Equalizer Input and VCSEL** Driver	Fibre Channel, Transmit

Pin for pin compatible with GN2023   **Pin for pin compatible with GN2014A*

SUITE OF DATA COMMUNICATION SOLUTIONS

Beyond CDRs, Gennum offers a comprehensive suite of backplane interconnect and optical transceiver ICs including laser drivers, equalizers, SerDes, and transimpedance amplifiers (TIAs) for high speed data communication and telecommunication applications.

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