

CS4227

Dual 15 Gbps PHY with 4-Port CDR, EDC, and Backplane Support

Applications

- 10G SFP+ Line Cards
- 40G QSFP Line Cards
- 10Gbase-KR / 40GBase-KR4 / CR4 applications
- 16/8/4/2G Fibre Channel Applications
- Infiniband FDR/QDR/DDR Applications
- CPRI links in 4G Base Stations

Features

- Wide operating data rate range of 1 Gbps to 15 Gbps supporting 1/10 Gbe, 16/8/4/2G Fibre Channel, Infiniband FDR/QDR/DDR, and CPRI Rate options 1 to 7
- Strong Equalizer performance
- Ability to compensate for up to 27 dB insertion loss at 15 Gbps operation
- BER target of 1E-17
- Integrated 2 × 2 switch for protection switching and broadcast applications
- Integration of protocol layer features such as CR/KR or CR4/KR4 auto negotiation and training, and Fibre Channel speed negotiation
- Integrated AC coupling
- Latency less than 1 ns

Benefits

- Enables support for all major standards and applications
- High level of feature integration
- Low latency suited for financial and data center switch applications

Market(s)

Inside Data Centers

Product Type

10G/40G NRZ PHY



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