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What is Silicon Photonics?

š Enables:

Easier fabrication of (passive) photonic devices

Easy interfacing of electronics and (active) photonics devices

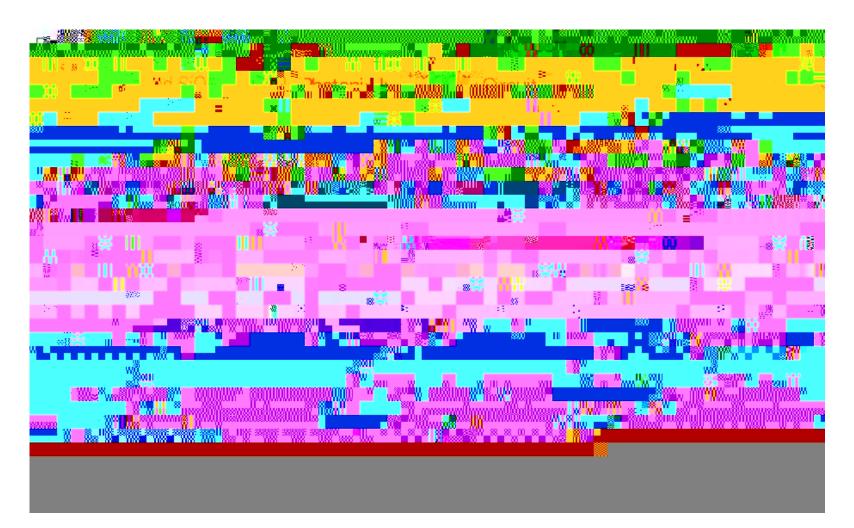
Optical chip to chip interconnect

š Applications:

Passive devices Modulators Lasers Receivers



- / /



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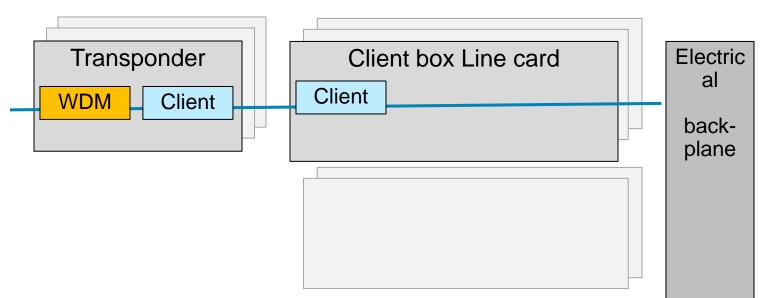
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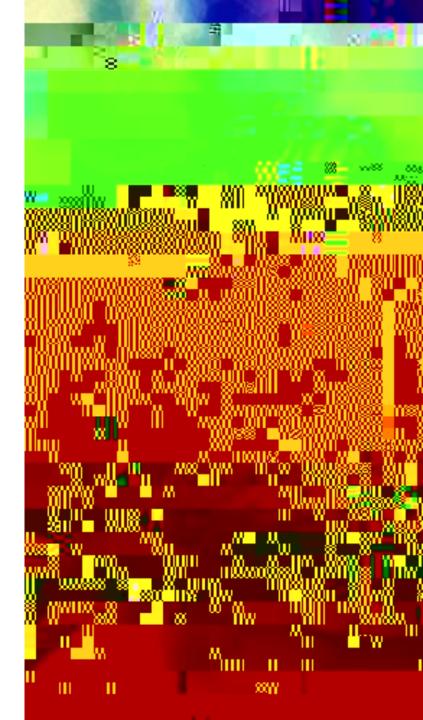
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Rationale for acquiring CoreOptics



Role of optics in the IP network Ë in the past

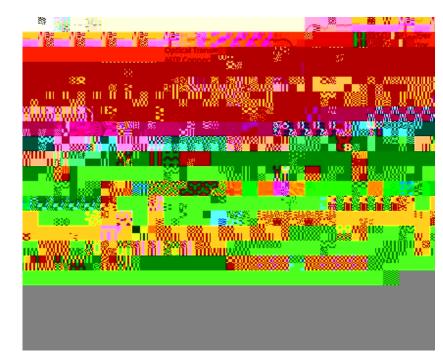




40G/100G Industry Standards

š IEEE 802.3ba: 40Gb/s and 100Gb/s Ethes50 e

Parallel ribbon fiber for 40G/100G interfaces



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