

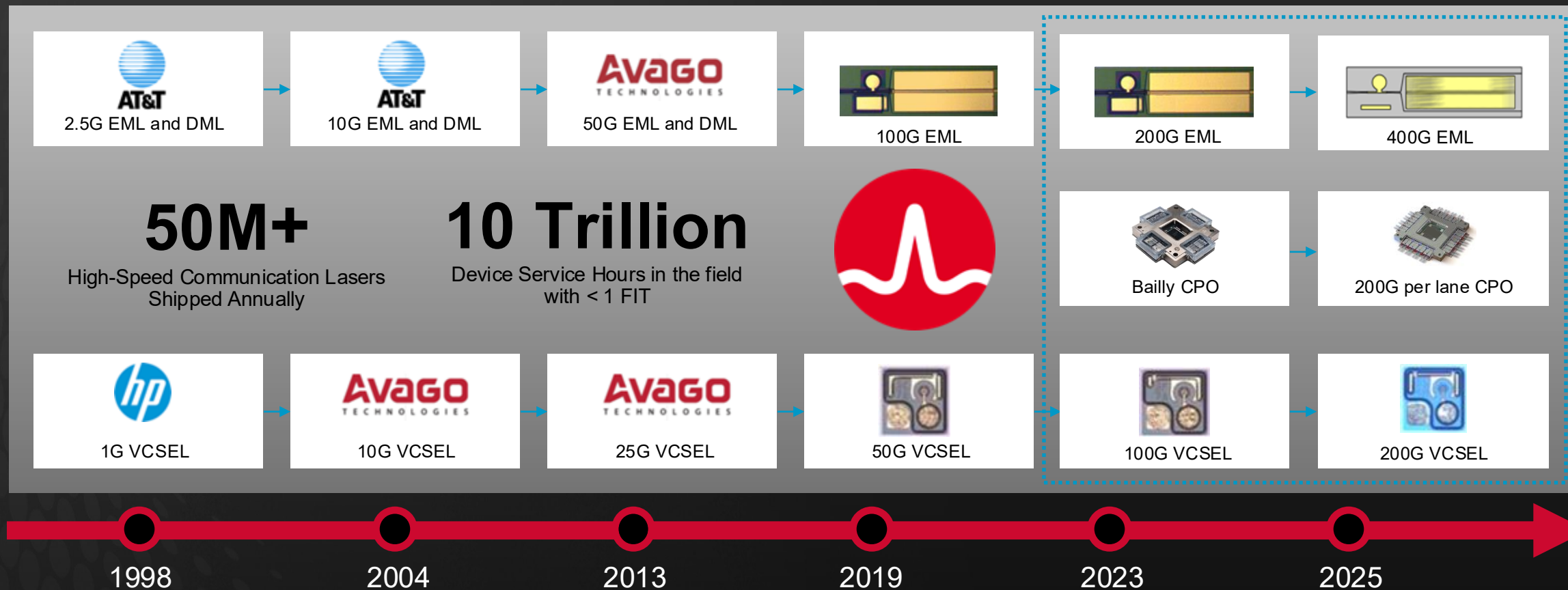


Third-Generation Co-Packaged Optics (CPO) Technology with 200G/lane Capability

Optical Systems Division (OSD)

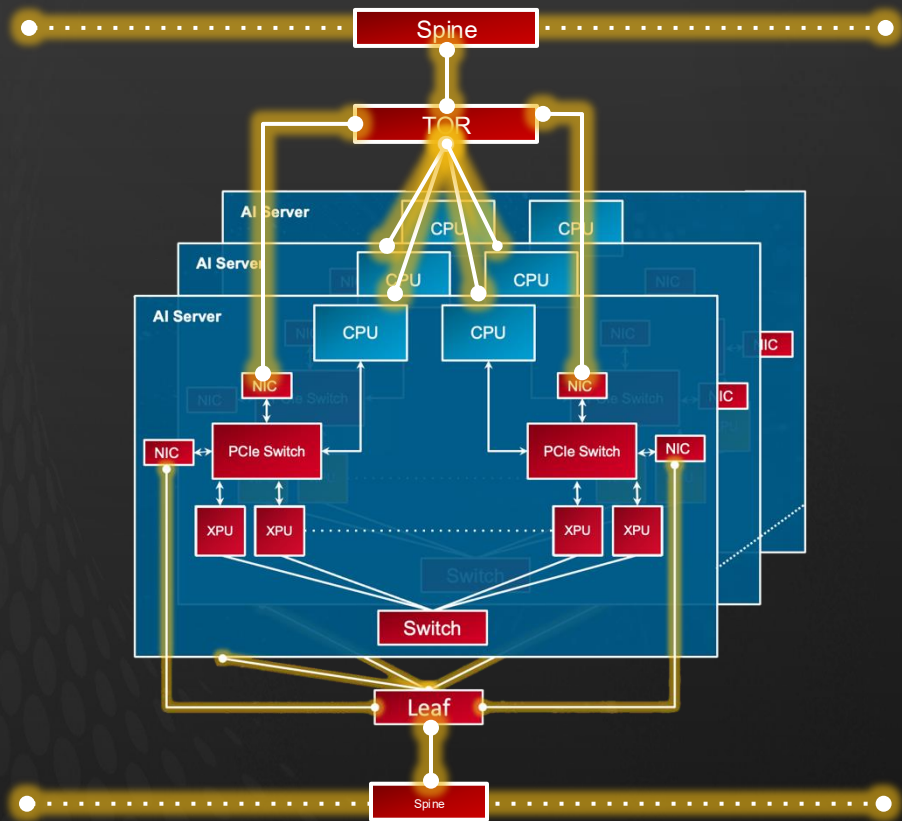
May 15, 2025

Broadcom Optics Leadership

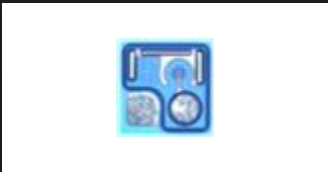


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Optical Interconnect for AI



#1



VCSEL

Multi-mode, short reach

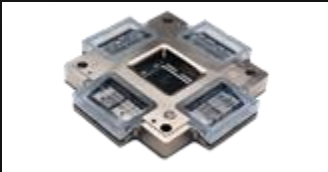
#1



EML

Single-mode, long reach

1st

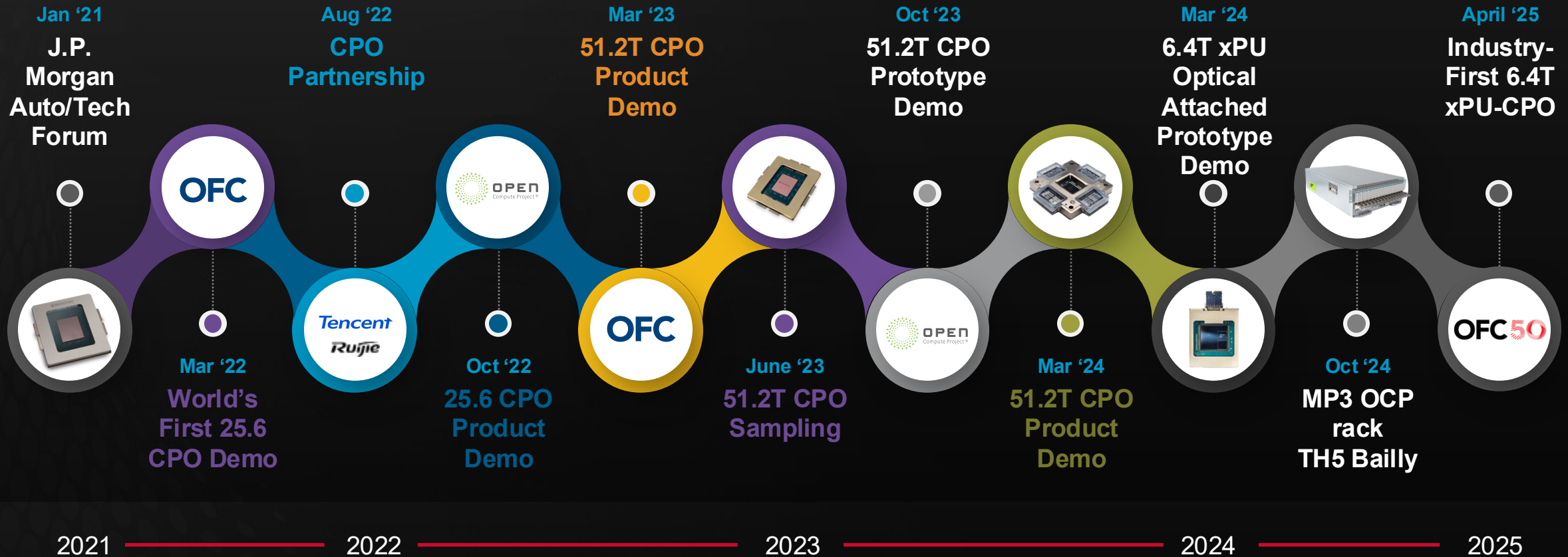


CPO
(SiPho)

Power and cost leadership

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Broadcom Gen 3 CPO Many Years in the Making



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Broadcom CPO: First to Maturity and Technology Leader

Industry's First Volume Shipments of CPO

Multiple system partners now shipping TH5-Bailly systems

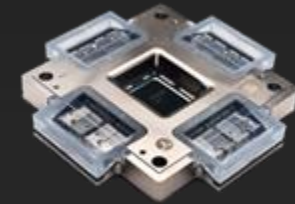
Mature Partner Ecosystem

Component partners developing fiber cables, optical connectors, laser source cages and connectors and sockets announce mass production

Gen 3 CPO: 200G/lane

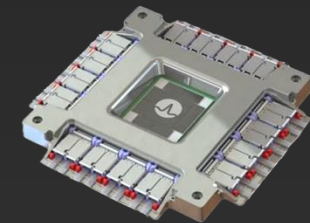
Maintaining technology leadership with 200G/lane Gen 3 CPO and Gen 4 development already underway

Gen 2 CPO



TH5-Bailly

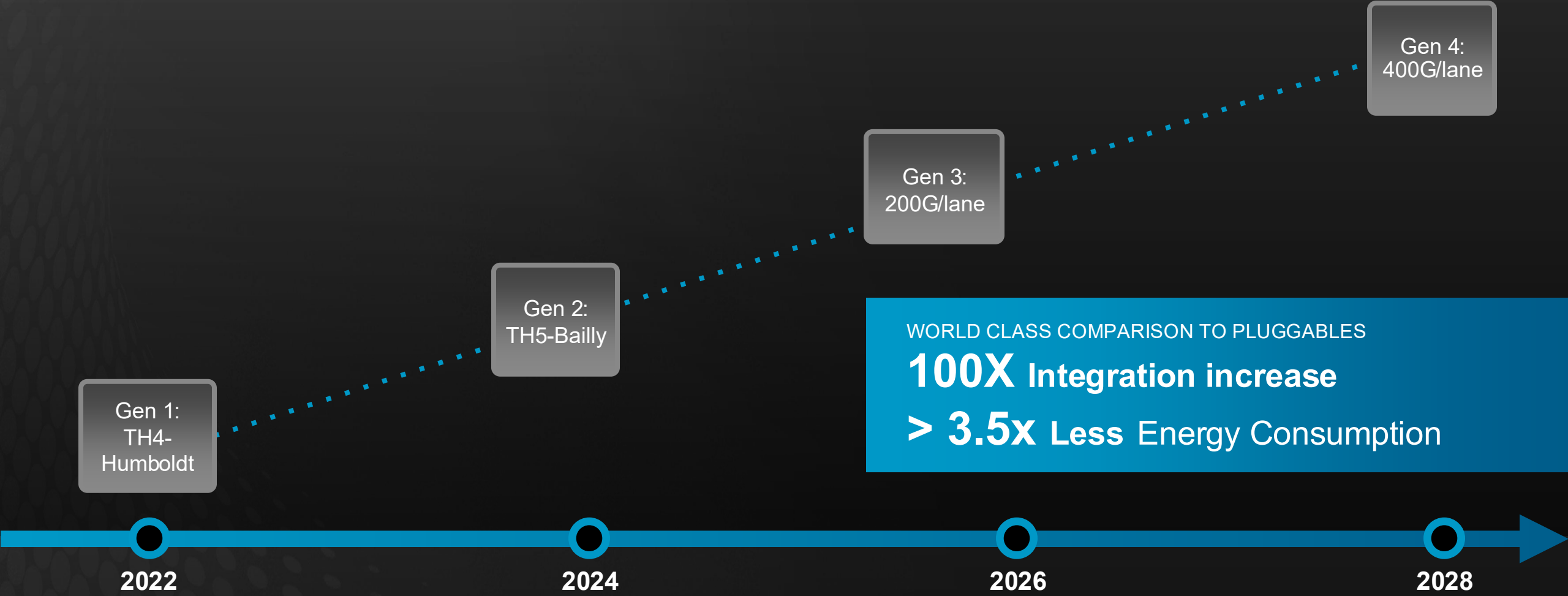
Gen 3 CPO



200G/lane CPO

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Broadcom CPO Roadmap



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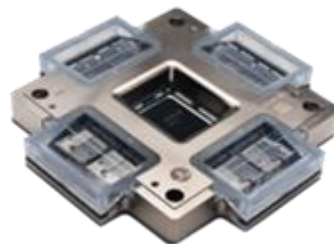
A Mature Ecosystem: Partner Announcements

Fiber Harness and Cable Assemblies

CORNING  TwinstarTech

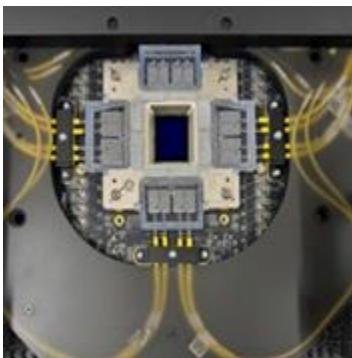


TH5-Baily Chipset



TH5-Baily CPO Systems

Micas
NETWORKS

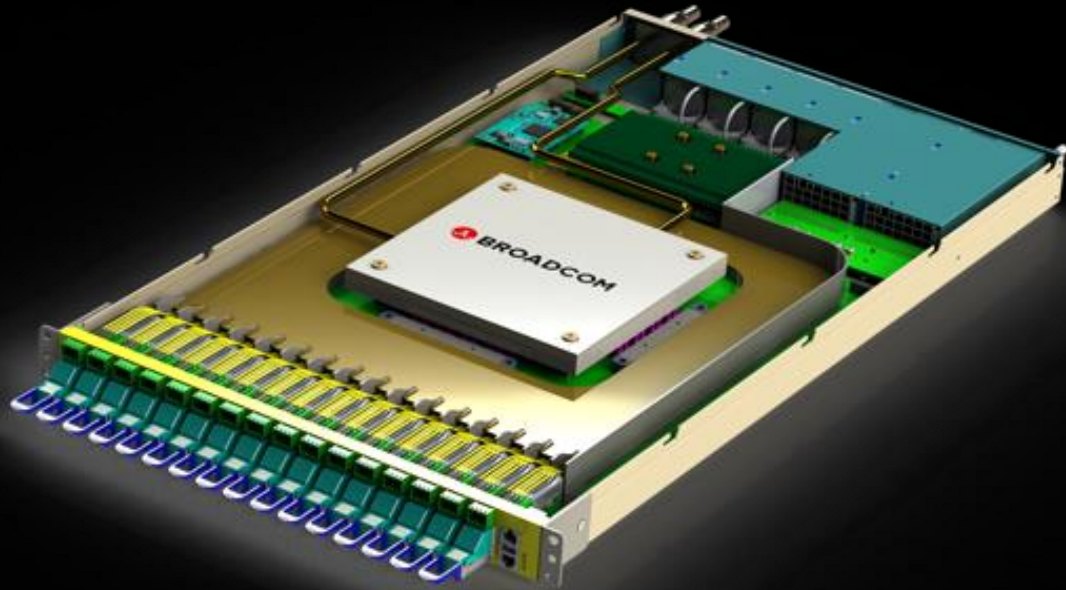


Sockets, Cages and Connectors



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Broadcom Gen 3 CPO: 200G/lane



WORLD CLASS COMPARISON TO PLUGGABLES

> 3.5x Reduction in Power

WORLD CLASS COMPARISON TO PLUGGABLES

Up to 100x Higher Integration Density

WORLD CLASS COMPARISON TO PLUGGABLES

> 30% Reduction in Cost

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Key Points



Industry leadership on Optical Interconnects for AI



Shipping Gen 2 CPO now with mature and robust partner ecosystem



Extending technology leadership to Gen 3 200G/lane CPO and in development of Gen 4 400G/lane CPO

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Thank you

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