

GLOBALFOUNDRIES®



LIGHT UP your data center

Move more data faster and farther with silicon photonics solutions from GLOBALFOUNDRIES.

WHY SILICON PHOTONICS?

Silicon photonics



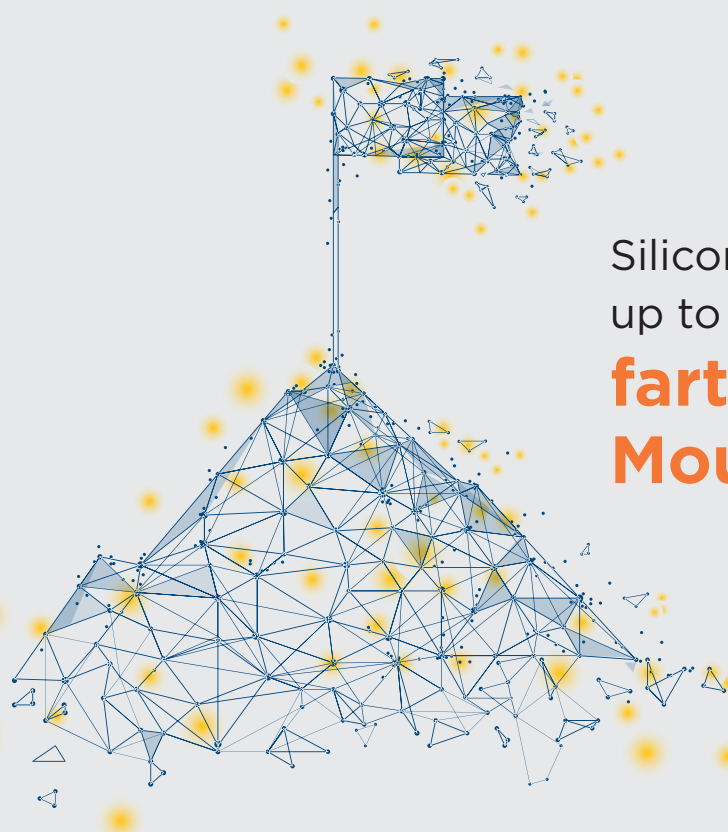
VS.

Copper wiring



**More data.
Lower power.
Less heat.**

Silicon photonics has **>6500x** the reach of copper wiring at up to **8x** the data rate*



Silicon photonics can support distances up to 32,808 ft (~10 km) @ 400 Gbps—**farther than the peak of Mount Everest.**

LIGHT-YEARS AHEAD OF THE REST

GF® is the only foundry with a silicon photonics solution that:



Has demonstrated the industry's highest data rate per fiber:

0.5 Tbps/fiber



Helps you maximize ROI with high-volume

300 mm manufacturing

Learn how GF can help you harness the power of light at globalfoundries.com

* Silicon photonics-based solutions compared to copper at a given channel loss (30 dB link)
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