PCI EXPRESS

A:
PCI Express 4.0 is new, but 400G Ethernet already demands higher data speeds. Learn the details of PCIe 4.0 now so you're prepared for what's next.

IEEE AND OF 400G STANDARDS

Q:
Are you ready for the new IEEE and OIF 400G standard parameters such as COM and TDECQ?

A:
Channel Operating Margin (COM), computed from several channel measurements, and Transmitter Dispersion and Eye Closure Quaternary (TDECQ), are complex yet essential metrics for 400G communications.

PAM4 & COMPLEX MODULATION

Q:
Should you move toward PAM4 or switch to complex modulation?

A:
Non-return-to-zero (NRZ) and four-level pulse amplitude modulation (PAM4) can both enable 400G. However, as speeds of NRZ designs increase above 28 Gb/s, channel loss becomes a limiting factor. Coherent technology is also being considered in data centers and their interconnects. Whether you decide to use PAM4 or switch to complex modulation, there are many factors to consider.

Your Map to High Speed Data Centers

Reaching 400Gb/s and beyond requires knowing what stops are along the way. Let Keysight help you navigate your route to the next speed class.

Q:
Are you having PCI Express Gen4 test challenges? What will Gen5 bring?

A:
Try our deep performance and comprehensive test solutions to ensure a smooth transition to Gen5.

SILICON PHOTONICS

Q:
What does Silicon Photonics imply for your measuring and probing?

A:
Progress in Photonic Integrated Circuit (PIC) technology is accelerating from 400G applications and beyond. Methods and instruments for the fiber optic communications industry are now being adapted for this new environment.

LEARN MORE ABOUT PICs AND THE CURRENT CHALLENGES WITH DC, RF, AND PHOTONICS TESTING.

Q:
Do you know enough about DDR4 to make the leap to DDR5?

A:
Learn more about DDR4 and prepare for DDR5.

Q:
What does Silicon Photonics imply for your measuring and probing?

A:
Learn about PCIe 4.0 Physical Layer Transmitter and Receiver Testing.

Q:
Are you aware of the latest standards for 400G SAS-5?

A:
Learn about SAS standards for 400G.

DDR

SAS

SERVER VILLE

Stay informed about Keysight Data Center Infrastructure Solutions. www.keysight.com/find/DCIS

This information is subject to change without notice.

© Keysight Technologies, 2018  |  Published in USA, July 9, 2018  | 5992-3131EN