

## List of abbreviations and acronyms

AI: Artificial Intelligence

CPU: Central Processing Unit

DCN: Data Center Network

GPU: Graphics Processing Unit

HDWDM: High Density WDM

LiFi: Wireless technology that uses light to transmit data

OWC: Optical Wireless Communication

SDN: Software Defined Networking

TPU: Tensor Processing Unit, an AI accelerator developed by Google for neural network machine learning, particularly using Google's own TensorFlow software.

WDM: Wavelength Division Multiplexing

XPU: A portfolio of architectures (CPU, GPU, TPU, FPGA and other accelerators)

## Background information

### Neuromorphic computing

[https://en.wikipedia.org/wiki/Neuromorphic\\_engineering](https://en.wikipedia.org/wiki/Neuromorphic_engineering)

<https://www.hpe.com/us/en/insights/articles/whats-this-neuromorphic-computing-youre-talking-about-2105.html>

### Optical wireless communications

[https://en.wikipedia.org/wiki/Optical\\_wireless\\_communications](https://en.wikipedia.org/wiki/Optical_wireless_communications)

<https://en.wikipedia.org/wiki/Li-Fi>

[https://en.wikipedia.org/wiki/Free-space\\_optical\\_communication](https://en.wikipedia.org/wiki/Free-space_optical_communication)

### Data Center Networking

[https://en.wikipedia.org/wiki/Data\\_center\\_network\\_architectures](https://en.wikipedia.org/wiki/Data_center_network_architectures)

<https://www.vmware.com/topics/glossary/content/data-center-networking>