

PCIe® Speeds/Feeds - Pick Your Bandwidth

- Flexible to meet needs from handheld/client to server/HPC
- ~Max Total Bandwidth = Max RX bandwidth + Max TX bandwidth
- 35 Permutations yielding 11 unique bandwidth profiles
- Encoding overhead and header efficiency not included

Specifications	Lanes				
	x1	x2	x4	x8	x16
2.5 GT/s (PCIe 1.x +)	500 MB/S	1 GB/S	2 GB/S	4 GB/S	8 GB/S
5.0 GT/s (PCIe 2.x +)	1 GB/S	2 GB/S	4 GB/S	8 GB/S	16 GB/S
8.0 GT/s (PCIe 3.x +)	2 GB/S	4 GB/S	8 GB/S	16 GB/S	32 GB/S
16.0 GT/s (PCIe 4.x +)	4 GB/S	8 GB/S	16 GB/S	32 GB/S	64 GB/S
32.0 GT/s (PCIe 5.x +)	8 GB/S	16 GB/S	32 GB/S	64 GB/S	128 GB/S
64.0 GT/s (PCIe 6.x +)	16 GB/S	32 GB/S	64 GB/S	128 GB/S	256 GB/S
128.0 GT/s (PCIe 7.x +)	32 GB/S	64 GB/S	128 GB/S	256 GB/S	512 GB/S

+ = data rate supported by this and subsequent spec revisions.