

TELECOM (WAN) SPEED STDS.

COPPER

DS0 56K bit/s

DS1/T1 1.544 Mbit/s 192.5 kB/s

E1 2.048 Mbit/s 256 kB/s

T2 6.312 Mbit/s 789 KB/s

E2 8.448 Mbit/s 1.056 MB/s

E3 34.368 Mbit/s 4.296 MB/s

DS3/T3 ('45 Meg') 44.736 Mbit/s 5.5925 MB/s

STS-1/EC-1/OC-1/STM-0 51.84 Mbit/s 6.48 MB/s

T4 274.176 Mbit/s 34.272 MB/s

T5 400.352 Mbit/s 50.044 MB/s

DSL:

VDSL (symmetry optional) 12 Mbit/s to 100 Mbit/s 1.5 MB/s to 12.5 MB/s

VDSL2 (symmetry optional) 12 Mbit/s to 250 Mbit/s 1.5 MB/s to 31.25 MB/s

LR-VDSL2 (4 to 5 km [long-range] (symmetry optional) 1 Mbit/s to 4 Mbit/s 128 kB/s to 512 kB/s

FIBER OPTIC

OC-1 51.84 Mbit/s 6.48 MB/s

OC-3/STM-1 155.52 Mbit/s 19.44 MB/s

OC-9 466.56 Mbit/s 58.32 MB/s

OC-12/STM-4 622.08 Mbit/s 77.76 MB/s

OC-18 933.12 Mbit/s 116.64 MB/s

OC-24 1.244 Gbit/s 155.5 MB/s

OC-36 1.9 Gbit/s 237.5 MB/s

OC-48/STM-16 2.48832 Gbit/s 311.04 MB/s

OC-96 4.976 Gbit/s 622 MB/s

OC-192/STM-64 9.95328 Gbit/s 1.24416 GB/s

OC-256 13.271 Gbit/s 1.65888 GB/s

OC-768/STM-256 39.81312 Gbit/s 4.97664 GB/s

OC-1536/STM-512 79.626 Gbit/s 9.95325 GB/s

OC-3072/STM-1024 159.252 Gbit/s 19.9065 GB/s

Ethernet:

10 Gigabit Ethernet WAN PHY 9.95328 Gbit/s 1.24416 GB/s

10 Gigabit Ethernet LAN PHY 10 Gbit/s 1.25 GB/s