

Throughput required to move Y bytes in X time

Bits per second throughput

File size				
100TB	13,333.3 Gbps	2,666.7 Gbps	666.7 Gbps	222.2 Gbps
10TB	1,333.3 Gbps	266.7 Gbps	66.7 Gbps	22.2 Gbps
1TB	133.3 Gbps	26.7 Gbps	6.7 Gbps	2.2 Gbps
100GB	13.3 Gbps	2.7 Gbps	666.7 Mbps	222.2 Mbps
10GB	1.3 Gbps	266.7 Mbps	66.7 Mbps	22.2 Mbps
1GB	133.3 Mbps	26.7 Mbps	6.7 Mbps	2.2 Mbps
100MB	13.3 Mbps	2.7 Mbps	666.7 Kbps	222.2 Kbps
10MB	1.3 Mbps	266.7 Kbps	66.7 Kbps	22.2 Kbps
1MB	133.3 Kbps	26.7 Kbps	6.7 Kbps	2.2 Kbps
	1 Minute	5 Minutes	20 Minutes	1 Hour
	Time to transfer			

File size				
10PB	2,777.8 Gbps	925.9 Gbps	132.3 Gbps	30.9 Gbps
1PB	277.8 Gbps	92.6 Gbps	13.2 Gbps	3.1 Gbps
100TB	27.8 Gbps	9.3 Gbps	1.3 Gbps	308.6 Mbps
10TB	2.8 Gbps	925.9 Mbps	132.3 Mbps	30.9 Mbps
1TB	277.8 Mbps	92.6 Mbps	13.2 Mbps	3.1 Mbps
100GB	27.8 Mbps	9.3 Mbps	1.3 Mbps	308.6 Kbps
10GB	2.8 Mbps	925.9 Kbps	132.3 Kbps	30.9 Kbps
1GB	277.8 Kbps	92.6 Kbps	13.2 Kbps	3.1 Kbps
100MB	27.8 Kbps	9.3 Kbps	1.3 Kbps	0.3 Kbps
	8 Hours	24 Hours	7 Days	30 Days
	Time to transfer			

Bytes per second throughput

File size				
100TB	1,666.7 GB/sec	333.3 GB/sec	83.3 GB/sec	27.8 GB/sec
10TB	166.7 GB/sec	33.3 GB/sec	8.3 GB/sec	2.8 GB/sec
1TB	16.7 GB/sec	3.3 GB/sec	833.3 MB/sec	277.8 MB/sec
100GB	1.7 GB/sec	333.3 MB/sec	83.3 MB/sec	27.8 MB/sec
10GB	166.7 MB/sec	33.3 MB/sec	8.3 MB/sec	2.8 MB/sec
1GB	16.7 MB/sec	3.3 MB/sec	833.3 KB/sec	277.8 KB/sec
100MB	1.7 MB/sec	333.3 KB/sec	83.3 KB/sec	27.8 KB/sec
10MB	166.7 KB/sec	33.3 KB/sec	8.3 KB/sec	2.8 KB/sec
1MB	16.7 KB/sec	3.3 KB/sec	0.8 KB/sec	0.3 KB/sec
	1 Minute	5 Minutes	20 Minutes	1 Hour
	Time to transfer			

File size				
10PB	347.2 GB/sec	115.7 GB/sec	16.5 GB/sec	3.9 GB/sec
1PB	34.7 GB/sec	11.6 GB/sec	1.7 GB/sec	385.8 MB/sec
100TB	3.5 GB/sec	1.2 GB/sec	165.3 MB/sec	38.6 MB/sec
10TB	347.2 MB/sec	115.7 MB/sec	16.5 MB/sec	3.9 MB/sec
1TB	34.7 MB/sec	11.6 MB/sec	1.7 MB/sec	385.8 KB/sec
100GB	3.5 MB/sec	1.2 MB/sec	165.3 KB/sec	38.6 KB/sec
10GB	347.2 KB/sec	115.7 KB/sec	16.5 KB/sec	3.9 KB/sec
1GB	34.7 KB/sec	11.6 KB/sec	1.7 KB/sec	0.4 KB/sec
100MB	3.5 KB/sec	1.2 KB/sec	0.2 KB/sec	0.0 KB/sec
	8 Hours	24 Hours	7 Days	30 Days
	Time to transfer			

Legend:

- Requires less than 100Mbps throughput**
- Requires between 100Mbps and 10Gbps throughput**
- Requires more than 10Gbps throughput**

Note: Kilo, Mega, etc. are in SI units. E.g. 1KB is 1000 bytes, not 1024 bytes