

T1 vs. Business Ethernet Comparison:

Ethernet—where available—offers both higher bandwidths and lower prices than comparable T1 service, but has distance limitations while T1 is practically everywhere.

T1 AND BONDED T1s	BUSINESS ETHERNET	DIFFERENCES
Symmetrical Bandwidth	Symmetrical Bandwidth	
T1: 1.5 Mbps Bonded T1: 3, 4.5, 6, 7.5, 10.5, 12 Mbps	2, 3, 5, 8, 10, 20 Mbps Additional speeds up to 45 Mbps available in select markets.	Ethernet offers higher bandwidth options
99.99% uptime SLA	99.99% uptime SLA	
1.5 T1 price \$299/mo.	2x2 Ethernet: \$199/mo. 3x3 Ethernet: \$299/mo.	Double bandwidth for less than comparable T1 price
Loop bonding – more expensive	Loop bonding	Industry standard
Available nationwide 365 MSAs	7,000–9,000 ft from CO to get Ethernet but nationwide footprint; distance limitations	Ethernet has distance limitations vs. T1 which is ubiquitous
Quality of Service with VoIP	Quality of Service with VoIP	
Dedicated DSL/speed will not fluctuate	Speed will not fluctuate	
T1 voice and data line is a form of Internet connection	Fast Ethernet is the cabling used in LAN environments, making them speedier and more reliable	
Tops out at 12 Mbps	Connect multiple business locations to give a high-speed dedicated Ethernet connection to ramp to private cloud networks—such as nationwide or international MPLS networks	
T1 lines offer 1.5 Mbps per line. Each additional line bonded to the original line increases the speed by 1.5 Mbps; for example, a double-bonded solution is 3 Mbps. Bonding is practical up to 10–12 Mbps; above that, other solutions—such as DS3 or Ethernet—are often more cost effective.	Where available, Business Ethernet often offers both higher bandwidths and lower prices, partially due to the efficiency of the technology involved in transmitting higher bandwidths over common copper wiring.	Ethernet, where available, offers both higher bandwidths and lower prices