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EtherLink vs. T1 Comparison

Many businesses find themselves asking “Is EtherLink or T1 better?” Unfortunately, this question doesn’t have a single answer; it is better to ask “Which is better for my business?”. Each technology type has advantages, making it critical for you to evaluate usage patterns, speed requirements, budget, and proximity to our Central Office location, so you can make the informed decision that will benefit your business.

	ETHERLINK	T1 / BONDED T1	DIFFERENCES
Symmetry Type	Symmetrical	Symmetrical	None
Speeds	Up to 45Mbps in 1Mbps increments; 2Mbps minimum	T1: 1.5Mbps; Bonded T1 in increments of 1.5Mbps starting at 3Mbps	EtherLink offers higher bandwidth at a lower cost
SLAs	99.999% uptime	99.999% uptime	None
Scalability	Lower circuit cost with greater bandwidth available per circuit; lower CPE cost <i>if</i> new CPE is necessary	Only 1.5Mbps available per circuit with higher NRC and monthly circuit cost; equipment changes often necessary	EtherLink is easier, faster, and less expensive to scale than T1 or Bonded T1
Reliability	Loop bonding with newer G.SHDSL technology and greater throughput. If one loop fails, entire connection need not be affected	Link bonding using older serial technology with lower throughput. Serial connections with an impacted circuit can impact the entire connection. T1 EtherLink (loop bonding) technology is available to mitigate reliability issues.	Loop bonding delivers more efficient bandwidth use and improved reliability

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	ETHERLINK	T1 / BONDED T1	DIFFERENCE
Availability	Available in 11 Wyoming cities. EtherLink is distance-dependent from CO	Available statewide. T1 EtherLink provides the same speeds (1.5Mbps per circuit) regardless of distance.	EtherLink has distance limitations. T1 or Bonded T1s do not.
Quality of Service (QoS)	QoS with WyoPhone	QoS with WyoPhone	None
Speed Fluctuation	Dedicated speed will not fluctuate	Dedicated speed will not fluctuate	The maximum speed of EtherLink depends on distance from Wyoming.com CO; once delivered, speed does not fluctuate.
Access Connectivity	T1 data and voice line is a form of Internet connection	Builds upon Ethernet LAN technology for simplicity and ease	Ethernet simplifies device connections.
Equipment	Requires Zhone Ethernet bridge device	Requires router; Zhone T1 Ethernet bridge may be used for T1 EtherLink (loop bonding)	EtherLink requires a lower-cost bridge