

# Commercial Application Whitepaper

## Application Summary:

Customer has two buildings separated by a city maintained road. His network strategy was to have a T1 line in Building A and another T1 line in Building B. The networks were connected between the buildings via VPN routers which connected the networks over the internet. Customer wanted a more reliable connection between the buildings because his connection would go down periodically due to problems experienced with the internet. Customer was paying \$150 per month for his internet access in Building A and another \$150 per month for his internet access in Building B.

## Solution:

Customer installed an EZ-Bridge<sup>®</sup>LT2 between Building A and Building B. This created a 15Mbps high speed reliable point to point link between the two locations. He removed the T1 line at building B. Network users in Building B noticed improved performance of the network due to increased link speed between the two buildings. Because he was able to reduce his expense for internet connections by removing one T1 line he saved \$150 per month. The EZ-Bridge<sup>®</sup>LT2 system paid for itself in less than two months.



**Notes:** Customer needed to turn down the power of the EZ-Bridge<sup>®</sup>LT2 units because his link distance was short. He optimized the power for around -45dBm signal strength to achieve the maximum throughput speed of 15Mbps.

## List of Materials:

Item	Where to Buy	Cost
Cat 5 Cable	Home Depot, Walmart	\$.20/ft x 150ft = \$30
EZ-Bridge <sup>®</sup> LT2	EZ-Bridge.com	\$199 each x 1 = \$199
Total		\$229

## Conclusion:

The EZ-Bridge<sup>®</sup>LT2 product offered a cost effective solution for this customers application. For less than \$300 he was able to connect his two buildings wirelessly. Because he was able to remove his second internet connection he was able to save \$150 per month and realize a phenomenal payback period on the EZ-Bridge<sup>®</sup>LT2 investment. The time to install each unit was about 30 minutes or 1 hour for the complete install.

For more information visit [EZ-Bridge.com](http://EZ-Bridge.com)