

Case Study:

Remote Office Wireless Connectivity

Business Issue

Due to a burgeoning sales force the company is about to open a remote sales office across the parking lot from their current main location. The satellite office will provide much needed additional office space for the sales force. The sales force needs to access the company's database system for contacts and sales orders. They also need access to email as well as other internal network systems. A cost effective solution is needed to provide connectivity from the remote office to the main network. A phone system is also needed.

Solution


An ideal solution to this problem is to install a high-speed, point-to-point, fully encrypted, wireless system between the two buildings. We selected Tranzeo TR-5a wireless units for their power, range, bandwidth, and for their affordability. These units can be ordered with a variety of antenna options making them extremely flexible. This is a very effective solution when compared to a wired T1 system because, much higher bandwidth (more than 10 times greater). A onetime installation cost vs. monthly recurring fees forever. The solution allows the use of IP phones, eliminating the need and expense of an entire phone system. IP phones will be a part of the existing phone system allowing direct extension-to-extension calls. Additional, separate phone lines are unnecessary due to integration with existing phone system

Results

- System pays for itself in less than a year resulting in significant cost savings over time
- Significantly higher bandwidth allows for faster file transfers, faster server access, and more efficient overall network operation, resulting in higher employee productivity and satisfaction
- Additional cost savings are realized by not having to purchase an entire phone system, and by eliminating the need for phone lines in the satellite office that



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would incur a monthly cost

This solution was deemed such a success that an existing T1-to-T1 link between the main building and a remote production building was replaced with the same point-to-point wireless system. These systems provide a significant increase in bandwidth vs. a T1 link and provide a cost savings as well.

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