

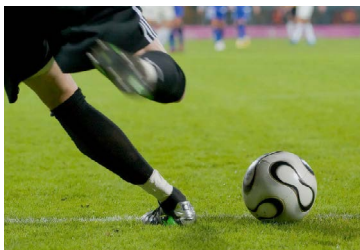


CUSTOMER SUCCESS: CITY OF MISSION VIEJO

City of Mission Viejo Deploys Cost-effective Broadband Wireless Gigabit Ethernet Link to Potocki Conference Center



The 3,800 square foot Thomas R. Potocki Conference Center in the City of Mission Viejo, California, was originally designed and built as a training center for the U.S. soccer team during the 1994 World Cup. Located in the middle of Oso Viejo Community Park with adjacent soccer fields, the building was converted by the city to a community center after the World Cup was completed. Today it serves the city as a youth activity and conference center.



Throughout the years, the one thing lacking at the facility was broadband Internet access. This was particularly a problem for youth counselors from Outta Bounds Events Inc. who leased the facility.

The counselors conducted after-school programs, including computer classes and other community activities that required Internet access. They went so far as to use their mobile phones as hot spots in order to provide Internet access for the kids in the after-school programs.

That all changed in 2017 when the city deployed a HaulPass V60s millimeter wave wireless Gigabit Ethernet link from Vubiq Networks, connecting the Potocki Conference Center to the central data center at Mission Viejo City Hall, located about 600 meters away.



The Potocki Conference Center in Oso Viejo Community Park.

Customer Solution at a Glance

Business Need: The City of Mission Viejo needed a cost-effective way to provide broadband Gigabit Ethernet connectivity to the remote Potocki Conference Center located in the middle of Oso Viejo Community Park.

Solution: Vubiq Networks donated the HaulPass V60s solution to the city, a 60 GHz V-Band broadband wireless system that delivers low-latency, full-duplex Gigabit Ethernet transport speeds in a small, ruggedized, easy-to-install enclosure.

Bottom-Line Benefits:

- Cost-effective, license-free wireless operation
- Fully integrated Gigabit Ethernet switch
- Easy installation, alignment and configuration



Mission Viejo's HaulPass V60s wireless broadband 600-meter connection from the City Hall data center to the Potocki Conference Center.

An Easy, Line-of-Sight, Wireless Solution



The city had previously investigated possible alternatives to providing broadband Internet access to the Potocki Center. However, the remote location within the Oso Viejo Community Park and surrounding soccer fields would require costly, disruptive trenching and

installation of high-speed fiber optic cable.

"Vubiq Networks provided us with the ideal, cost-effective, license-free wireless solution," said Norman Nakawaki, IT Manager at the City of Mission Viejo. "City Hall and the Potocki Conference Center are within rooftop line-of-site proximity, so we were able to easily deploy the HaulPass V60s wireless links on the rooftops of each building. Installation and link alignment was very straightforward. The Potocki Center now has connectivity to the city's network and applications."

When deploying wireless broadband technology, however, it is not enough merely to bridge the two locations, noted Mr. Nakawaki. It is equally essential to make such wireless network extensions as integrated into the central network as possible. That's why traffic management switching and quality of service are an integral part of the Vubiq Networks' HaulPass V60s solution – without incurring additional costs.

"Vubiq Networks provided us with the ideal, cost-effective, license-free wireless solution."

- Norman Nakawaki, IT Manager, City of Mission Viejo

The City of Mission Viejo's V60s Solution

- Cost-effective, easy-to-deploy 60 GHz V-Band millimeter wave wireless solution provides the City of Mission Viejo with immediate ROI
- Wire-speed, wireless Gigabit Ethernet connectivity
- Frequency division duplex (FDD) operation yields two gigabit aggregate throughput
- Fully integrated carrier-grade Ethernet switch
- Up to 750-meter (0.5 mile) point-to-point range
- Compact ruggedized outdoor enclosure designed for extreme weather, weighing only 2.4 kg (5.2 lbs)
- Intelligent automatic gain control maintains network throughput
- Powered via POE+, drawing less than 15 watts
- Low latency (less than 50 μ s delay)
- SNMP support allows tight integration of wireless infrastructure into standard monitoring software
- A single, unified web interface for all RF and Ethernet switch configuration and monitoring

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