

Lantronix Drives Secure Data Transfer and Power for Pro Golf Tournament Stats

Secure Connectivity and Power

Company Type: Pro Golf Tournament

Lantronix Products Deployed: Managed Hardened Gigabit Ethernet PoE+ Switches

Customer Challenge

Many live sports use data collection platforms to gather and distribute scoring data and player statistical information in real-time. Optical tracking cameras are used for one pro golf tournament to capture ball movement data to supplement other laser-based measurements. The camera system is used on greens, fairways, and tee boxes to capture a wide variety of data, including force, ball landing location, airspeed, ball flight, player stats, and more. Golf ball manufacturers, players, and the media rely on this valuable data to enhance their work.

The camera network consists of three cameras per hole located on the green and five switches per hole located on the greens, fairways and tee boxes. Two trucks hold the fiber cabling, servers and spare switches.

The golf tournament needed a way to securely transport the data recorded by the camera to the analysis team and power the devices that assist the camera in gathering gameplay information. The enclosures lack airflow and are therefore extremely hot environments. Any solution must withstand these harsh conditions as many electronics will malfunction in high temperatures.

Customer Solution

The golf tournament selected Lantronix's Managed Hardened Gigabit Ethernet PoE+ Switch and Managed Hardened Gigabit Ethernet PoE+ Rack Mountable Switch to provide connectivity and power to essential IoT devices for operating its camera network.

The customer picked Lantronix switches based on the system's power requirements and the results of extensive testing to ensure continuous operations in high temperatures.



Lantronix's Managed Hardened Gigabit Ethernet PoE+ Switch ([SISPM1040-384-LRT-C](#)) is designed for connecting and powering devices with up to 30 Watts per port on all eight ports simultaneously. The switch is certified to operate reliably in harsh environments such as outdoor locations or other challenging environments.



Lantronix's Managed Hardened Gigabit Ethernet PoE+ Rack Mountable Switch ([SISPM1040-3248-L](#)) provides (24) 10/100/1000 PoE+ ports, four 100/1000 SFP ports and four 1G/10G SFP+ slots. The switch can deliver 15 Watts on all 24 ports or 30 Watts on 12 ports simultaneously.

With the (4) 10G SFP+ ports as the uplinks, the switch can transfer the high-resolution video and other data in real time to the server for processing.

Both switches include embedded Device Management System (DMS) software that makes the switch upkeep simple. It provides time-saving features enabling end-users to establish and document a baseline deployment and automatically discover and remotely configure attached powered devices located across each tournament course.

Tournament Success

The golf tournament's ability to combine high-resolution camera footage with radar and other data means it can provide more accurate play-by-play results and technical commentary in real-time throughout the tournament to benefit both spectators and players. The Lantronix switches can provide the connection and power that the golf tournament requires while also meeting the harsh temperature and environment requirements unique to operating outdoors on a golf course.

For more information on Lantronix, visit transition.com or connect with our experts:



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