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INDUSTRY:

Security & Surveillance

Lantronix Drives Secure Connectivity and Power for Pro-Golf Tournament

Success Highlights

- Delivers secure data transfer and power
- Performs reliably in harsh and hot conditions
- Provides automatic remote device configuration
- Delivers time-saving deployment features
- Features Device Management System (DMS)

Case Study Overview

To gather and distribute scoring data and player statistical information in real-time, most live sports events use data collection platforms. For this top national pro-golf tournament, optical tracking cameras are used to capture ball movement data to supplement other laser-based measurements. For an easy-to-manage network switch solution for reliable connectivity and power, the tournament tech team turned to Lantronix.

CHALLENGE: Securely Transporting Pro Golf Tournament Stats

The pro-golf tournament needed a way to securely transport the data recorded by play-capturing cameras to the analysis team and to power the devices that assist the cameras in gathering essential gameplay information. Because the camera enclosures lack airflow and can become extremely hot environments, the solution must withstand these harsh conditions, providing a reliable solution.

> " Even in hot and harsh conditions, the Lantronix switches provide reliable connectivity and power to meet the real-time needs of gathering gameplay stats for the pro golf tournament. "
>
> – Jon Collins, senior product manager, Lantronix Inc.

Lantronix Managed Hardened Gigabit Ethernet PoE+ Switches

Lantronix's Managed Hardened Gigabit Ethernet PoE+ Switch (SISPM1040-384-LRT-C) is:

- Designed to connect and power devices
- Delivers up to 30 Watts per port on all eight ports
- Certified to operate in hardened environments

This switch is a next-generation rack mountable hardened switch with 136Gbps switching capacity. It provides (24) 10/100/1000 PoE+ ports, 4 100/1000 dual speeds SFP ports, It has additional (4) 1G/10G SFP+ slots.

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
- 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.

SOLUTION: Lantronix Managed Hardened Gigabit Ethernet PoE+ Switches

After extensive testing to ensure continuous connectivity and consistent power in high temperatures, the tournament tech team chose:.

- Lantronix's Managed Hardened Gigabit Ethernet PoE+ Switch (SISPM1040-384-LRT-C)
- Managed Hardened Gigabit Ethernet PoE+ Rack Mountable Switch (SISPM1040-3248-L)

The Lantronix switches provide secure connectivity and power while meeting the temperature and environment requirements unique to operating on a golf course.The solution includes 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.

> **❝The Lantronix switches transfer high-resolution video and data in real time to the server, ensuring that valuable gameplay data securely reaches analysts for accurate stats and scoring.❞**
>
> – Jon Collins, senior product manager, Lantronix Inc.

RESULTS: Lantronix Switches Enable Delivery of Real-Time Player Stats

By enabling secure data transfer of high-resolution camera footage, the Lantronix switching solution enables the tournament to gain more accurate play-by-play results in real-time throughout the tournament, which is a huge benefit to the event analysts, commentators, spectators and players.

About Lantronix

Lantronix Inc. is a global provider of secure turnkey solutions for the Internet of Things (IoT) and Remote Environment Management (REM), offering Software as a Service (SaaS), connectivity services, engineering services and intelligent hardware.

Lantronix enables its customers to accelerate time to market and increase operational up-time and efficiency by providing reliable, secure and connected Intelligent Edge IoT and Remote Management Gateway solutions.

Lantronix's products and services dramatically simplify the creation, development, deployment and management of IoT and IT projects across Robotics, Automotive, Wearables, Video Conferencing, Industrial, Medical, Logistics, Smart Cities, Security, Retail, Branch Office, Server Room and Datacenter applications.

Lantronix Device Management System (DMS) Software

The Lantronix (DMS) software provides a unique set of value-added features and capabilities that provide security integrators with lower overall cost, less downtime and easier management and maintenance of the entire PoE+ network. The DMS software is currently available on most enterprise and hardened switches.

The Lantronix DMS includes management, visibility, diagnostics and monitoring features, including:

- Pop-up window interface
- Remote log-in, configuration and monitoring
- End-to-end visibility with remote access into each device
- One-click cable diagnosis
- Instant identification of faulty cable connections
- Convenient reboot of remote devices to resume operation
- Monitoring of traffic and packets of devices
- Analysis by day, week, port or device

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