# The University of Kansas
## LinkPower™ LPS3400ATM-T1



Demand for broader WiFi coverage and higher network bandwidth in college campuses has grown dramatically in recent years. On one hand, increasing numbers of students are going online, all simultaneously streaming content and video with smartphones, laptops, and tablets.

On the other hand, growing number of college and universities are utilizing video cameras as a key part of the security strategy on campus. IP video cameras enable a university's public safety staff to improve monitoring of remote areas on campus, such as parking lots, and to use analytics to send alerts for unusual activity.



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## The Need

University of Kansas (KU) is a major public research and teaching university that was founded in 1865. Located in an urban area, KU has an undergraduate population of 19,338 spread over a campus size of 1,000 acres.

In early 2018, KU deployed a large campus Wi-Fi network using Aruba Access Points to increase Wi-Fi coverage and network bandwidth on campus, in efforts to provide greater mobility and flexibility for smartphones, laptops, and tablets. Alongside the Aruba Access Points, an IP video dome camera is installed on the same pole.

## The Solution

The LinkPowerTM LPS3400ATM-T1 6-Port Gigabit Layer 2+ Managed Outdoor PoE (Power over Ethernet) Switches are at the heart of the KU's campus Wi-Fi network. These LinkPowerTM Outdoor PoE Switches power and connect more than 40 Aruba Access Points as well as the IP Video cameras.

Released in August 2015, LPS3400ATM-T1 is a high-performance Gigabit Layer2+ Managed Outdoor PoE Switch that is compliant to IEEE802.3af/at PoE standards. LPS3400ATM-T1 delivers data and power over a single network cable that is protected with an IP68 compliant weatherproof enclosure.



With 128Gbps non-blocking switching capacity and 8.93Mpps forwarding rate @64 bytes, LPS3400ATM-T1 optimizes network bandwidth, while also deliverimg the network traffic highly effectively.

The switch offers Layer 2+ Switching features including: spanning tree STP (802.1D) and RSTP(802.1W), 802.10 VLAN, Mirroring, Port isolation, IGMP Snooping, DHCP Snooping, LLDP, POE+ management, IP Source Guard, ARP inspection, ACLs etc. Additional key features include streamlined management through WEB, CLI, TELNET, SSH, SNMP, and G.8032, support <50ms industrial quick ring protection.

*Download Product Datasheet:*