



University Parking Control

Sirit's parking access control solution maximizes vehicle throughput, and validates parking access automatically

FEATURES

- Automated credential validation
- Increased throughput
- Reduced operating costs
- Increased security, convenience and safety

Summary

University requirements for parking management solutions have a unique set of conditions that go beyond the typical parking challenges that residential or commercial organizations are affected by. The available parking supply is surpassed by the demand for the available spaces designated for parking in and around universities, especially those in dense metropolitan areas. Lack of available space, and the sheer number of students using vehicles to get to and from classes, creates the perfect storm for parking issues.

Managing the flow of traffic around and through a university is a critical component to creating an effective parking solution. In traditional parking lots the only way to manage parking flow and ensure authorized access to the lot are with manual systems which require visual inspection and monitoring, or a staffed guard shack on the premises which controls access to the lot. Either way, both solutions require manual inspection of vehicles to permit access. The guard staffed lot has cost associated with the hourly employee overseeing the lot, while the unattended lot requires someone to patrol the assigned lots at specific times or intervals. Both require visual validation, and in the case of the unattended lot, requires a manual inspection to ticket or tow those violators who do not have the proper credentials posted.

Without these manual monitoring systems in place any available parking space can be occupied by someone who may not have paid for the proper access, directly limiting the available spaces for those who have paid for access to the lots.

This causes congestion, increases overflow parking in non-approved areas, parking system management costs, represents lost revenue for universities in missed parking passes which can be sold, and causes frustration for students, faculty and the surrounding residents and businesses.

Application Profile:

University Parking Control

RFID Parking Control Solution



How It Works

RFID systems designed for universities enable an automated solution for managing parking and access control to university parking facilities.

Creating a successful parking and access control solution is dependent upon developing processes and systems that facilitate university students and faculty to apply for parking or access passes either online or at the university. Once applied for and displayed in the vehicle, these credentials offer automated verification, granting access to parking lots during the period that the pass is valid for.

These RFID parking access control solutions are comprised of several components. RFID readers, tags and cards are combined to associate a unique identification

number to a specific vehicle or person. This unique number is validated when presented at the appropriate read points posted at the entry of a parking facility. The credential is verified by communication with the host software and if the pass is valid, access is granted automatically. In the event the pass is not valid or the lot is not an available lot for access, the gate is not prompted to open and access is not permitted.



RFID read point data can provide detail such as automated count tracking of the total number of vehicles through a particular read point during the day, validation of peak times, and data on high and low use lots which can be pushed out to users to improve parking flow.

Conclusion

By implementing an automated RFID parking control solution Universities benefit from increased vehicle throughput, reduced operating costs, increased security, convenience, and safety, providing for an alternative to many of the parking management problems that universities face.

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About Sirit Inc.

Sirit Inc. (TSX: SI) is a leading provider of Radio Frequency Identification (RFID) reader technology to OEMs and solution providers worldwide. Harnessing the power of Sirit's enabling-RFID technology, customers are able to more rapidly bring high quality RFID solutions to the market with reduced initial engineering costs. Sirit's products are built on more than 14 years of RF domain expertise addressing multiple frequencies (LF/HF/UHF), multiple protocols and are compliant with global standards. Sirit's broad portfolio of products and capabilities are easily customized to address new and traditional RFID market applications including Supply Chain & Logistics, Cashless Payment, Access Control, Automatic Vehicle Identification, Inventory Control & Management, Asset Tracking and Product Authentication. For more information, visit www.sirit.com.



The "RFID by Sirit" symbol signifies that Sirit Inc.'s high quality RFID reader technology resides within this product.

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