GDR Telecom Site Energy Systems

Anti-tracking micro-modules for campus network use

Overview

A dedicated microcontroller unit (MCU) serves as the central hub for IoT anti-theft systems, overseeing wireless tracking modules, as well as infrared and motion sensors. These efficient, low-power MCUs process analog and digital inputs, coordinate data exchange, and. This guide serves as a foundational technical reference for designing Cisco ® Software-Defined Access (SD-Access), an intent-based networking architecture that delivers automated, secure, and scalable wired and wireless campus networks. Use this guide to follow best practice recommendations when. Learn how to build a Zero Trust architecture using network segmentation and Network Access Control (NAC) with solutions like 802. The contemporary campus network is a dynamic and complex environment. Original equipment manufacturers (OEMs) are increasingly integrating theft-prevention tracking capabilities into. Abstract- This paper contains the campus security tracking system (CST) has been designed and implemented using the RFID and ZigBee network. The CST reads the RFID tags data through FRID & ZigBee node, and then sends it to PC node by a custom wireless protocol on the ZigBee. The system integrates a variety of sensors (motion and flame/fire), which are strategically.

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The GPS tracking component continuously transmits location data, which is used to calculate estimated arrival times and detect any deviations from established routes, with automated alerts generated for ...

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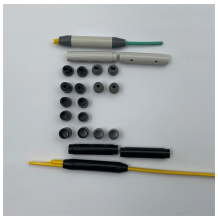
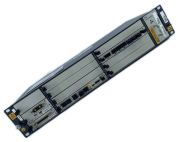
This design guide provides an overview of the requirements driving the evolution of campus network designs, followed by a discussion about the latest technologies and designs that are ...

The primary objectives of this study include enhancing campus security, optimizing infrastructure protection, and providing a responsive emergency management framework.The model is capable of ...



Learn how to build a Zero Trust architecture using network segmentation and Network Access Control (NAC) with solutions like 802.1X, Arista AGNI and Cisco ISE. The contemporary campus network is a ...

In order to solve these common problems and improve the response speed of the model, we propose a target tracking model, Tighte (Target Tracking Modeling in Edge Computing Architecture), based on ...



Based on the technology characteristics and strength of RFID, we combine RFID and campus security tracking system, and use SCM control technology and wireless network technology, to develop an ...

A dedicated microcontroller unit (MCU) functions as the central hub for IoT anti-theft systems, managing wireless tracking modules, along with infrared and motion sensors.

This document describes a set of network design options to build a Zero Trust campus network based on Arista Multi-domain Segmentation Services (MSS) technology, combined with different ...

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	Discover how network segmentation protects higher education institutions from lateral movement attacks. Learn why universities and school districts need microsegmentation.

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