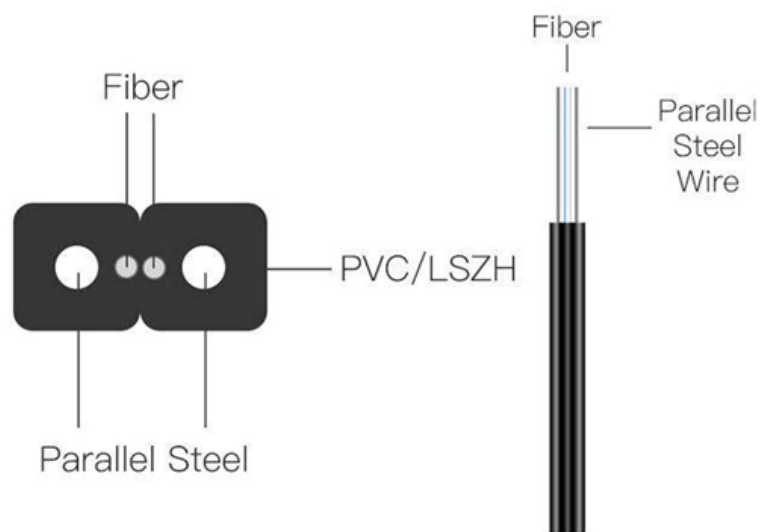




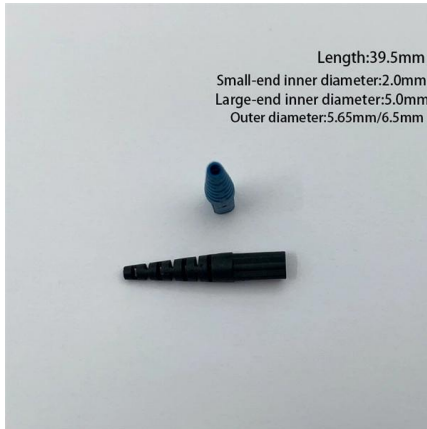
Adam Tas Corridor Energy

Anti-electrostatic Tracking for AI Servers on Local Area Networks





Anti-electrostatic Tracking for AI Servers on Local Area Networks

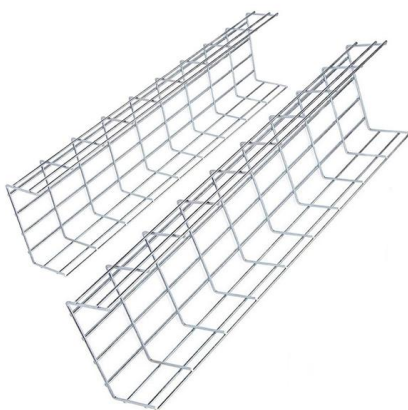


Ethernet for AI Networking

Many components of an AI cluster network in this paper discuss the possibility of using Ethernet in these designs and the tradeoffs. This paper is written from the lens of customers leaning towards Ethernet

What is AI network monitoring?

Using intelligent algorithms, AI tools can detect anomalies, predict component failures and provide remediation guidance, enabling network



Exploring Zero Trust Artificial Intelligence-Based Frameworks in Large

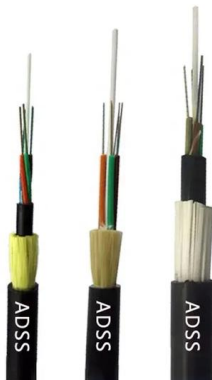
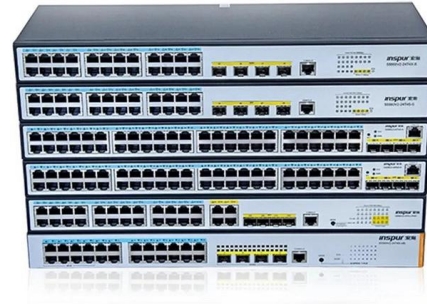
This study illustrates the efficacy of utilizing Zero Trust AI based models to secure essential infrastructure against modern cybersecurity threats.

Generative AI for Secure Physical Layer Communications: A Survey

Therefore, in this paper, we offer an extensive survey on the various applications of GAI in



enhancing security within the physical layer of communication networks.



Local Area Prediction-Based Mobile Target Tracking in Wireless

Tracking mobile targets in wireless sensor networks (WSNs) has many important applications. As it is often the case in prior work that the quality of tracking (QoT) heavily depends on

AI Security: Your Guide to Network Protection in 2026 , Guru

If you're an IT or security professional, enterprise decision-maker, or AI specialist evaluating AI for network security and monitoring, this guide will walk you through everything you need to know.



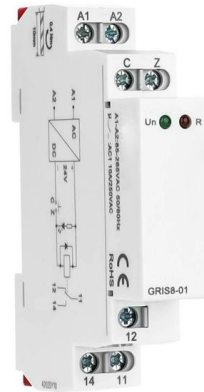
AI-Enabled Learning Architecture Using Network Traffic Traces over

In this paper, we present a survey of techniques to set up experiments for capturing network traffic traces of the IoT devices from the packet, frame, and other levels of local networks



Low-Power IoT for Monitoring Unconnected Remote

This paper deals with IoT devices deployed in remote areas without terrestrial Internet connectivity. We consider connecting IoT devices on the

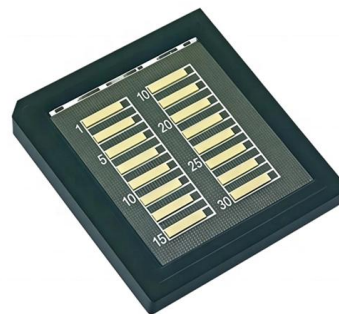


Delivering a Secure, End-to-End AI Data Center Solution

In this paper, we leverage our extensive AI data center experience to discuss the unique requirements and use cases for designing and securing scalable AI data centers. AI data center deployments are

Embeddability is one of the most important properties for dedicate

Figure 1 shows the architecture of network positioning service, which includes location provider, mobile devices, LBS providers, and communication networks. The location provider provides the basis for



Jamming Attacks and Anti-Jamming Strategies in Wireless Networks:

Unlike prior survey papers, this article conducts a comprehensive review on up-to-date jamming attacks and anti-jamming strategies, and provides the necessary PHY/MAC-layer knowledge for general



Empowering IoT-based electrostatic sensing network with

Moreover, future challenges of measurement technologies of electrostatic charges are also discussed. It is proposed to combine the multiple measurement technologies based on IoT

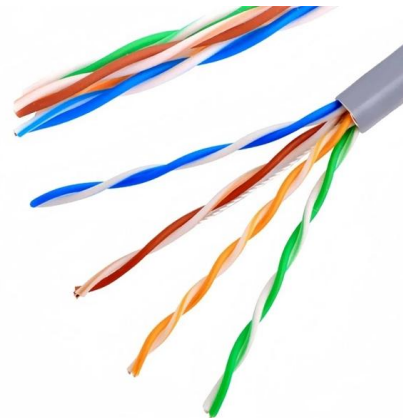


Eye tracking and eye expression decoding based on transparent

Eye tracking systems are crucial for eye health-monitoring and human-machine engineering. Here, Shi et. al. report a transparent and flexible active eye tracking system based on

Wireless Local Area Networks Threat Detection Using 1D-CNN

Wireless Local Area Networks (WLANs) have revolutionized modern communication by providing a user-friendly and cost-efficient solution for Internet access and network resources. However, the



Local Deep Learning for Advanced Threat Prevention

Because this module is based on the proven detection engines operating in the Advanced Threat Prevention cloud, you gain the same zero-day and advanced threat detection capabilities, but



Local Area Networks: What They Are and How to Use

Learn about the inner workings of local area networks, their data transmission speed, benefits, and more.

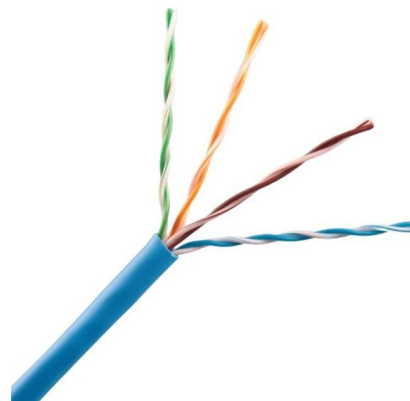


Next generation IEEE 802.11 Wireless Local Area Networks: Current

Abstract A new generation of Wireless Local Area Networks (WLANs) will make its appearance in the market in the forthcoming years based on the amendments to the IEEE 802.11

AI Networking

It's difficult to optimize AI networks without first knowing the state of that AI network, with real-time data gathered via streaming telemetry from all parts of the AI ecosystem and interrogated for insights.





NetMoniAI: An Agentic AI Framework for Network Security & Monitoring *

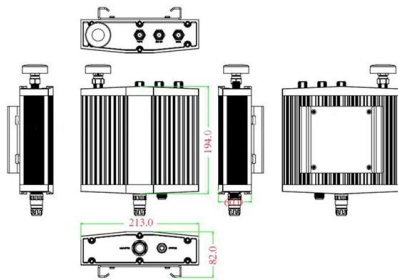
To overcome these limitations, we introduce NetMoniAI, an agentic AI framework for distributed network security. It combines packet-level and flow-level monitoring to support accurate

Cryogenic link for Quantum Local Area Networks

Germany, and Oxford Instruments NanoScience, UK, have developed a cryogenic link for Quantum Local Area Networks (QLAN), serving as a backbone for distributed superconducting quantum



Mechanical drawing

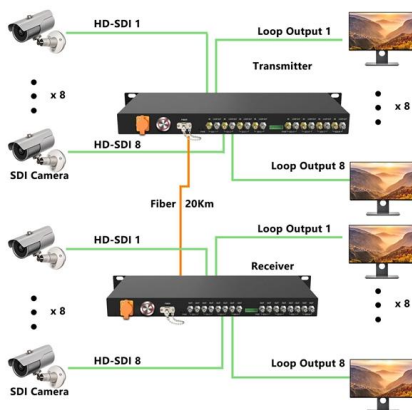


Engineered smart nano-bio-physio sensing platforms as emerging

The rapid evolution of smart nano-bio-physio sensing platforms has revolutionized point-of-care (POC) technologies, offering unprecedented opportunities for real-time health monitoring,

An Anti-sniffing Protocol for Location-based Services in Wireless Networks

Abstract -- In Wi-Fi networks, a user's location can be determined through the access points (APs) in the network. These kinds of location-based services, LBS, use a calculation of trilateration



Ethical hacking for IoT: Security issues, challenges, solutions and

More specifically, ethical hacking for IoT was used to evaluate the levels of safety and security of IoT systems, servers, applications, end-devices, gateways, and application servers to

Energy-Efficient Strategies in Wireless Body Area

Wireless body area networks (WBANs) are a pivotal solution for continuous health monitoring, but their energy constraints pose a significant



A FocusTrack: A Self-Adaptive Local Sampling Algorithm for Efficient

In contrast, local tracking approaches provide a more efficient alternative by restricting the search region to a limited spatial area, significantly reducing computational overhead.





Virtualized wide-area protection for distribution networks and

Abstract-- Protection and control of distribution networks need to be enhanced as the amount of distributed energy resources (DERs) grows and, at the same time, reliability of electricity supply is



Machine Learning-Enabled IoT Security: Open Issues and Challenges

Machine learning (ML)-based methods are widely used against cyber threats in IoT networks with promising performance. Advanced persistent threat (APT) is prominent for cybercriminals to

A Global-Local Tracking Framework Driven by Both Motion

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FocusTrack: A Self-Adaptive Local Sampling Algorithm for Efficient Anti

In contrast, local tracking approaches provide a more efficient alternative by restricting the search region to a limited spatial area, significantly reducing computational overhead.



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