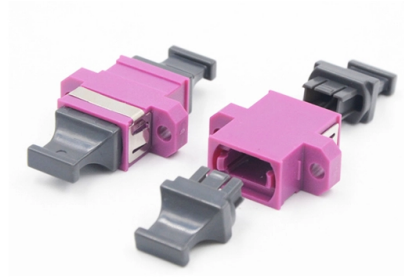


Application Areas of ID Card Micro-Modules



Article Overview

ID card micro-modules are widely used in identity authentication, financial transactions, telecommunications, transportation, and government services due to their secure data storage and processing capabilities.

Identity Authentication and Security

ID card micro-modules are integral to modern identity verification systems, including employee badges, national ID cards, and second-generation ID cards. They enable secure storage of personal information and encrypted data, ensuring high security and reduced risk of fraud. These modules are commonly used in access control systems, border control, and public transportation to streamline authentication and enhance operational efficiency .

Financial Services

Micro-modules embedded in bank cards and electronic wallets facilitate secure financial transactions. They support contactless payments, dual-interface operations, and fast transaction processing, making them essential for modern banking and retail environments . The modules comply with international standards like ISO 7816, ensuring compatibility with various payment terminals.

Telecommunications...

Article Content

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SIM card

SIM card A typical SIM card (mini-SIM with micro-SIM cutout) A SIM card or SIM (subscriber identity module) is a type of integrated

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Smart card modules

Explore our smart card modules for payment, transport, and government applications. Benefit from robust,

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What is a SIM (Subscriber Identity Module) Card?

What is a SIM card? First released in 1991, a SIM (Subscriber Identity Module) card is a tiny, portable memory chip

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SPS introduces its new Dual6 ID micromodule

As SPS new Dual6 ID micromodule is 40% smaller than the previous Dual8 ID, this frees a considerable card space

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Smart card modules

This ranges from standard dual interface modules to high performance modules with inductive coupling technologies (coil on

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smart card technology overview

Smart card technology is often based on credit card-sized flexible plastic chip cards. The PVC card body contains an

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What Are the Best Applications for Micro Camera Modules?

Best Applications for Micro Camera Modules 1. Smartphones and Mobile Devices Smartphones are the most

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Smart Card and Its Applications

Some contactless cards also generates power for the inbuilt chip from this electromagnetic field produced. The range of the signals

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Products

Water-based thermo-reflective dispersion coating for interiors. It protects buildings internally by significantly

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National identity cards in the European Economic Area and Switzerland

National identity cards are identity documents issued to citizens of European Union and European Economic Area (EEA) member

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Smart Cards — Requirements, Properties, and Applications

Smart cards play an increasing role as “active” security devices. Due to its microcomputer and programmable memory,

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Smart Card Applications: Design Models for Using and

Smart cards have many applications such as health, ID verification and access control, electronic purse card, banking

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NXP Revolutionizes ID Security and Durability with World's Thinnest ...

NXP's new MOB10 contactless chip module transforms how passports and identity cards are designed while adding

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Common applications include access control systems, time and attendance tracking, financial transactions, and

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smart card production technology

Cutting-edge technologies and solutions the mühlbauer group is the only single-source technology partner for the production and

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Contactless smart card

Citizen cards, drivers' licenses, and patient card schemes are becoming more prevalent. In Malaysia, the

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Cellular IoT modules, eSIM, SIM & SoC & device management | Trasna

Discover Trasna's end-to-end, chip-to-cloud cellular connectivity with SIM, eSIM, iSIM/SoC, cellular IoT modules and device

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RFID ID Cards: What Type of Chip Should You Choose for Each Application?

Learn how to choose the right chip for RFID ID cards in access control, attendance, membership, campus, and healthcare applications.

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Design and Application Considerations of Packaging of Dc-Dc

Both modules achieve peak efficiency of 87% for 5Vin-to-1.8Vout conversion. Experimental evaluation and market requirements

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eCFR :: 2 CFR Part 200 -

§ 200.1 Definitions. The following is a list of definitions of key terms frequently used in 2 CFR part 200. Definitions found in Federal

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Smart card

Smart cards can provide personal identification, authentication, data storage, and application processing. Applications include

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CSCIP Module 1

These applications include bank cards, mobile phone subscriber identity modules (SIM), healthcare cards, government and

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Infineon for identification and authentication

These solutions are designed to protect sensitive data and to limit access to those who are authorized. Typical applications include

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Beginner's Guide to ID Cards: Uses, Specifications and Types

ID cards enforce security and professionalism. If you're a beginner to ID cards, learn more about ID card uses, types and our in

Aug 01, 2025

Subscriber Identity Module | Encyclopedia MDPI

A subscriber identity module or subscriber identification module (SIM), widely known as a SIM card, is an integrated

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CSCIP Module 1

Contact smart cards are used for many applications, including EMV credit/debit cards, healthcare cards, national ID cards and

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Understanding ID Card Reader Modules: A Comprehensive Guide

Each type has its advantages and limitations, depending on the application and security requirements. Key Features

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AN0820: EFM32 USB Smart Card Reader

This application note gives an overview of the ISO/IEC-7816 smart card standard and a short introduction to the communication and

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Cryptographic Module Validation Program | CSRC

All questions regarding the implementation and/or use of any validated cryptographic module should first be directed

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THE KEY FEATURES OF A MODERN IDENTITY CARD

Contactless cards are used in a number of identification applications, such as travel authorisation. The chip contains biographical

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ID Card: Definition, Functions, Types, Sizes, and Materials

ID Card is a card that contains the owner's identity information such as name, photo, position, identity number, and

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A Survey on Applications of Smart Card

ABSTRACT Smart cards are widely used in various fields such as payment, access and Internet of Things because they support a

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Open Source ERP and CRM | Odoo

Double-entry bookkeeping¶ Odoo automatically creates all the underlying journal entries for all accounting transactions (e.g.,

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Microsemi Products | Microchip Technology

Application Areas Below, you will see how to access products for application areas that were served by Microsemi.

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Digital ID systems in Africa: Challenges, risks and opportunities

December 2023 In this paper, we look at the state of play of digital ID implementation across Africa with a focus on South Africa,

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Infrastructure Standards for Smart ID card Deployment

Typical applications are Subscriber Identification Module (SIM) cards (in Telecommunication), micropayments (in Financial

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