

ECS

EQUUS COMPUTE SOLUTIONS

ENHANCING 5G CONNECTIVITY AND CYBERSECURITY SOLUTIONS IN FINANCIAL INSTITUTIONS



**DIGITAL INNOVATION
AT YOUR SERVICE.**

ECS | Equus Compute Solutions
4400 West 78th St, Suite 110A
Bloomington, MN 55435

Main (800) 641-1475 Support (800) 576-7929

Solution: ECS Edge Connector Market: Finance

Overview

The ECS Edge Connector is a cutting-edge solution designed to tackle the unique 5G connectivity and cybersecurity challenges faced in the finance and banking market. Utilizing private 5G networks, this solution ensures high performance and robust security, essential for managing sensitive financial data and transactions.

Key Features

- 🕒 **Intel® Atom C3558 Processor:** Delivers high performance and reliability for demanding financial operations
- 🕒 **Zscaler Zero Trust Exchange Platform:** Secure, zero trust environment protects against cyber threats
- 🕒 **Options for 4 or 8 Core CPUs:** Offers scalability to meet varying demands of financial institutions

Finance and Banking Benefits

- 🕒 **Enhanced Connectivity:** Seamless 5G connectivity for real-time data transfer and processing, crucial for trading and financial transactions
- 🕒 **Improved Cybersecurity:** Integrated Zscaler Zero Trust Exchange, offers robust protection against cyber threats, ensuring the integrity and security of financial data
- 🕒 **Scalability:** Flexible core structures for scalable deployment, accommodating the growth needs of financial institutions
- 🕒 **Efficiency:** Optimizes network performance, reducing latency and improving transaction speeds compared to standard networks
- 🕒 **Cost Savings:** Enhanced security and connectivity reduce downtime and associated costs, increasing operational efficiency



ENHANCING 5G CONNECTIVITY AND CYBERSECURITY SOLUTIONS IN FINANCIAL INSTITUTIONS



**DIGITAL INNOVATION
AT YOUR SERVICE.**

ECS | Equus Compute Solutions
4400 West 78th St, Suite 110A
Bloomington, MN 55435
Main (800) 641-1475 Support (800) 576-7929

Solution: ECS Edge Connector Market: Finance

Finance and Banking Applications

The ECS Secure Edge Connector is tailored to enhance various financial market functions:

- ⦿ **Real-Time Trading:** Supports rapid data movement and processing, critical for high-frequency trading
- ⦿ **Secure Transactions:** Ensures that financial transactions are securely conducted, protecting against breaches
- ⦿ **Data Management:** Enhances the efficiency of data management, ensuring the secure storage and transmission of sensitive financial information
- ⦿ **Network Reliability:** Maintains consistent and reliable network performance, essential for uninterrupted financial operations

The ECS Edge Connector offers a comprehensive solution for improving 5G connectivity and cybersecurity in financial markets. By integrating advanced technology and secure network infrastructure, it helps financial institutions optimize performance, enhance security, and efficiently manage data.

For more information, visit equuscs.com/ecs-edge-connector-solutions

ABOUT ECS

ECS designs, builds and deploys the digital infrastructure that keeps companies relevant, viable and growing. From individualized computing, data center infrastructure and liquid cooling to AI enablement, telecom systems and 5G management, our customer-first approach delivers solutions that form, fit, and function seamlessly.

Edge Connector in Action

Banking and Finance Applications

Secure, High-Speed Transactions

Financial institutions handle millions of sensitive transactions daily, which require robust security and fast processing speeds.

- ⌚ Real-time transaction processing and reduced trading and settlement delays
- ⌚ Dedicated spectrum and traffic isolation, prevents network congestion and ensures optimal performance during peak hours
- ⌚ Seamless and near-instantaneous trade execution for high-frequency trading

Enhanced Cybersecurity and Compliance

Finance organizations are primary targets for cyberattacks due to the sensitive data they handle. They must also comply with strict regulatory standards like GDPR, PCI DSS, and FFIEC.

- ⌚ Zscaler Zero Trust architecture enhances encryption, access control, and network segmentation
- ⌚ Closed-loop, private-network security protects data from breaches or unauthorized access
- ⌚ Deploy the ECS Secure Edge Connector to segregate customer transaction data from non-critical data flows, ensuring compliance with regulatory requirements for data protection

Improved Customer Experience with Advanced Digital Services

Companies are transitioning to digital-first models with mobile banking, digital wallets, and virtual branch experiences.

- ⌚ Immersive customer experiences, real-time video conferencing, mobile banking, and augmented reality for virtual branches
- ⌚ Enhance customer satisfaction and engagement with fast, seamless interactions across touchpoints
- ⌚ Establish virtual banking kiosks in remote locations or urban centers, for customers to interact with financial advisors through high-definition video without physical branches

Enhanced Cybersecurity and Compliance

Financial institutions are primary targets for cyberattacks due to the sensitive nature of their data. They must also comply with strict regulatory standards like GDPR, PCI DSS, and FFIEC.

- ⌚ Enhance data encryption, access control, and network segmentation
- ⌚ Protect sensitive financial data from potential breaches or unauthorized access with closed-loop private network security
- ⌚ Deploy ECS Secure Edge Connector to segregate customer transaction data from non-critical data flows

Edge Connector in Action

Banking and Finance Applications

Enhanced Branch Connectivity and Operational Efficiency

Distributed bank branch networks need fast, reliable, and secure connectivity to a central data center.

- ⦿ Communicate between branches and headquarters quickly and securely improving data synchronization, coordination, and overall operations
- ⦿ Eliminate legacy wired infrastructure and reduce costs to maintain traditional networking systems
- ⦿ Connect all branches to a central network, ensuring that customer account data, transaction details, and other information are updated in real-time

Remote and Mobile Workforce Support

With the rise of remote work and mobile employees (e.g., wealth managers, consultants), financial institutions need secure, reliable connectivity for their workforce.

- ⦿ Deploy POS, inventory management, and security systems without physical network installations
- ⦿ Quickly set up new stores, pop-up shops, or temporary kiosks during peak shopping seasons
- ⦿ Avoid expensive cabling and network setup, allowing for faster time-to-market and easier expansion

Support for IoT and Smart Devices

Financial institutions are using Internet of Things (IoT) devices for security (e.g., smart cameras, sensors), operational management, and customer service enhancement (e.g., smart ATMs).

- ⦿ Manage thousands of IoT devices deployed across branches and ATMs
- ⦿ Real-time monitoring of security systems, operational devices, and ATM networks, allowing for predictive maintenance, real-time alerts, and remote troubleshooting
- ⦿ Banks can use the ECS Secure Edge Connector to monitor ATM health in real-time, reducing downtime by predicting malfunctions and dispatching maintenance teams before an ATM becomes inoperative