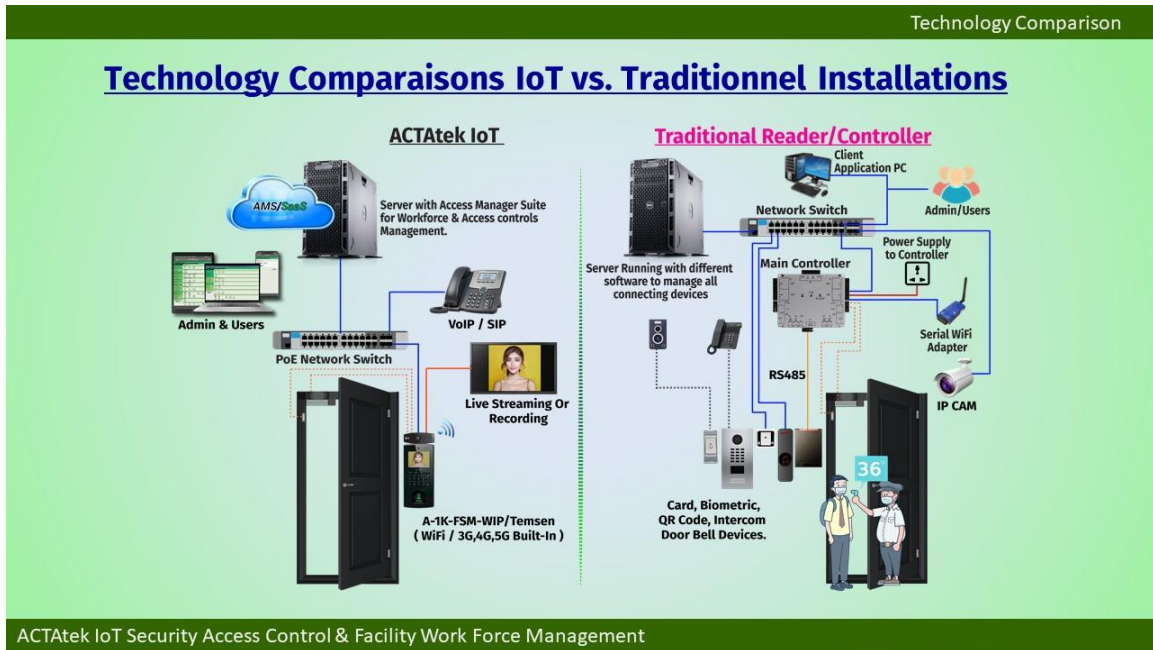


Technical and Financial Advantages of ACTatek Products Compared to Traditional OSDP Systems



Technical Advantages

1. Decentralization and Edge AI

- ACTatek: Utilizes Edge AI, allowing data gathering, learning, and prediction to be performed locally. This enhances data security, privacy, and processing speed by reducing reliance on central servers.- Traditional OSDP Systems: Centralized data processing, which can be slower and more vulnerable to security breaches.

2. Integration and Scalability

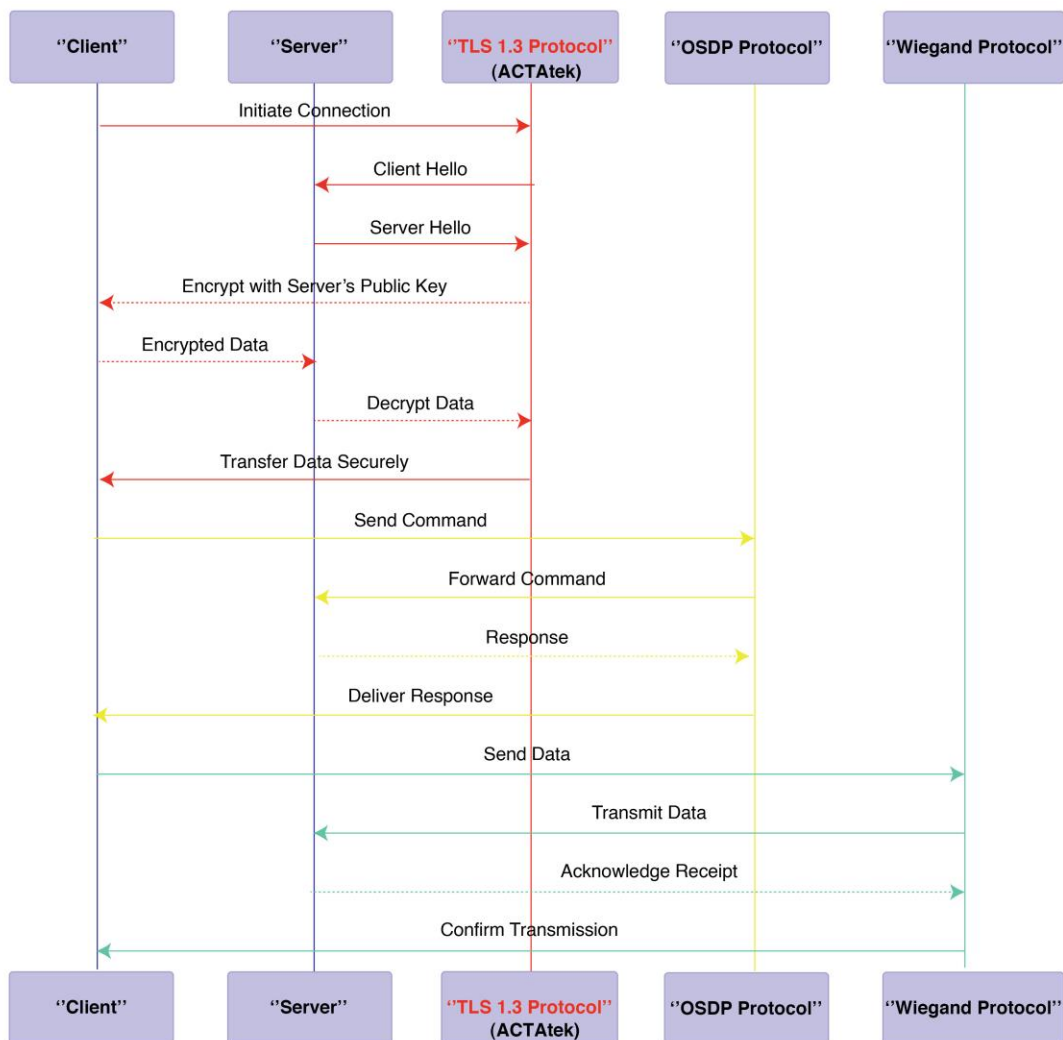
- ACTatek: Offers open platform integration with third-party applications using secure SOAP APIs and supports scalability without geographical limitations. The system can be expanded easily by adding more IoT devices.- Traditional OSDP Systems: Integration with IT systems and scalability are limited and often require significant hardware and software modifications.

3. Installation and Maintenance

- ACTAtek: Features plug-and-play installation with single cable or wireless connectivity (LAN, PoE, WiFi, Sim Card). This simplifies the setup process and reduces the need for extensive cabling and on-site specialists.- Traditional OSDP Systems: Require complex cabling from readers to controllers, increasing installation time and costs. Maintenance often needs specialists and can be disruptive.

4. Security

- ACTAtek: Employs TLS 1.3 256-bit encryption and a cyber-security-hardened Linux OS, ensuring robust protection against cyber threats.- Traditional OSDP Systems: Typically use older encryption standards and can be more vulnerable to hacking.



5. Features and Functionalities

- ACTAtek: Supports multi-factor authentication (biometrics, RFID cards, QR codes, etc.), SIP intercom, IP video, body temperature detection, and more. It offers comprehensive workforce and visitor management solutions, including time attendance and payroll

integration.- Traditional OSDP Systems: Limited to basic access control functionalities with less flexibility and fewer advanced features.

Financial Advantages

1. Lower Installation Costs

- ACTAtek: The plug-and-play nature significantly reduces installation costs by minimizing the need for extensive cabling and specialized labor. Traditional OSDP Systems: Higher installation costs due to extensive cabling, controllers, and specialist labor. Estimated total costs for a similar setup can be exceeded.

2. Reduced Maintenance Costs

- ACTAtek: Online maintenance and updates reduce the need for costly on-site specialists. Any hardware issues can be resolved by simply swapping out IoT devices, which can be synchronized with the server or cloud.- Traditional OSDP Systems: Require on-site specialists for maintenance and updates, leading to higher long-term costs.

3. Energy and Carbon Savings

- ACTAtek: Eliminates the need for non-IT cables and cabling, reducing the carbon footprint and energy consumption. The system is designed to be ESG and NetZero 2050 friendly.- Traditional OSDP Systems: Higher energy consumption and carbon footprint due to extensive cabling and multiple hardware components.

4. Future-Proof and Sustainable

- ACTAtek: Continuous updates and horizontal scalability ensure long-term viability and adaptability to new technologies. The system supports big data analytics, enhancing its value over time.- Traditional OSDP Systems: Often require significant upgrades and replacements to stay current, leading to higher long-term costs.

