



Enterprise Automation

Smart Workforce Time Management System for
Multi-Site Operations



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Enhancing Workforce Data Accuracy and Operational Visibility

As organizations continue to digitalize workforce operations across offices, factories, and multiple sites, workforce time management systems have become increasingly important for improving attendance visibility, labor tracking, and administrative efficiency. In practice, these environments often face fragmented data collection, inconsistent time records across locations, limited visibility into workforce allocation, and increasing administrative workloads for payroll and reporting.

To address these challenges, a fast-growing Nordic provider of human resource management solutions developed a smart workforce time management system for enterprise and industrial environments. Designed to support real-time workforce data capture and centralized analysis, the system helps organizations improve operational visibility, streamline HR processes, and strengthen workforce management across distributed operations.

Challenges

To support large-scale deployments across office and industrial environments, the customer needed a reliable, integrated hardware platform for workforce time-tracking. The system had to capture attendance and work-hour data accurately across multiple sites while supporting stable daily operations with minimal maintenance.

Reliable RFID performance was also critical. The RFID module needed to be integrated to reduce signal interference and enable smooth employee identification. At the same time, the platform had to simplify installation, reduce cabling complexity, and fit into space-constrained locations through a compact wall-mount design.

Key Requirements:

- Fanless, low-power design for stable, low-maintenance operation
- Integrated RFID module embedded behind a plastic front bezel to prevent signal interference
- PoE PD (Powered Device) support for simplified single-cable power and connectivity
- Wall-mount, space-saving design suitable for both office and industrial environments
- Scalable deployment across multiple locations with consistent system performance and accurate workforce data capture

Workforce Time Management Solution

GOT110-316 Touch Panel PC with RFID and PoE PD

Axiomtek proposed the GOT110-316, a fanless touch panel PC customized with integrated RFID and PoE PD support for workforce time management applications. Its low-power architecture and compact design make it well-suited for reliable daily operation across enterprise and industrial environments.

To ensure stable employee identification, the RFID module was integrated behind a plastic front bezel to reduce signal interference. PoE PD support simplified installation through single-cable power and data transmission, while the wall-mount form factor enabled efficient deployment in space-constrained locations. This combination provided the customer with a practical platform for scalable multi-site deployment.



Application

RFID-Based Time Tracking with Project-Level Labor Visibility

The solution serves as an intelligent workforce time management terminal for enterprise and industrial environments. In addition to standard clock-in and clock-out functions, employees can use the touchscreen to record working hours by project, enabling real-time task tracking and improved workload visibility. This allows organizations to capture workforce data more accurately while gaining a clearer view of how labor is allocated across teams and operational activities.

All data is centralized to support accurate payroll processing, monthly workforce reporting, and project-based labor analysis. By consolidating attendance and work-hour information into a single platform, the system provides clearer insight into resource allocation and labor costs, while improving operational efficiency and workforce planning across multiple sites.

Application | **Smart Workforce**
Enterprise Time Management

GOT110-316

- Clock-in/out by project
- Real-time task tracking
- Payroll and attendance reports
- Labor analysis and cost control
- Workforce planning

RFID behind the bezel for stable reading.

Touchscreen for work and attendance tracking.

System Configuration

GOT110-316-PoE-PD with RFID:

- Intel® Celeron® N3350-based fanless touch panel PC
- 10.4-inch XGA TFT LCD with LED backlight
- 1 GbE LAN, 1 PoE PD port, 4 USB ports, and 2 COM ports
- IP65-rated front bezel and IPX1-rated rear cover
- External AT/ATX mode selection switch
- Easy-access design for storage and memory upgrades
- Integrated HID RFID module

Why Axiomtek

Axiomtek helps solution providers build reliable embedded systems for enterprise and industrial applications that require stable operation, flexible integration, and efficient deployment. For workforce time management systems, Axiomtek's configurable touch panel platforms help simplify RFID integration, reduce installation complexity, and support consistent performance across multi-site deployments.

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We needed a reliable hardware platform that could support RFID and PoE integration while fitting smoothly into both office and industrial environments. Axiomtek delivered a stable and customized system that simplified deployment and improved the overall user experience of our solution.

— Technical Team Lead

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About

Axiomtek Co., Ltd.

At Axiomtek, we provide industrial and embedded computing solutions for enterprise, industrial, and edge applications. Our portfolio spans embedded boards, industrial systems, panel PCs, and edge AI platforms, helping customers build reliable solutions for real-world deployment. We design our platforms with stability, integration flexibility, and long product lifecycles in mind, so customers can scale with confidence across diverse operating environments.

This approach also supports applications such as workforce time management, industrial automation, smart facilities, and connected enterprise systems. From compact touch panel PCs to highly integrated embedded platforms, we help solution providers accelerate development, simplify deployment, and improve operational efficiency with solutions tailored to modern enterprise and industrial needs.