

Boosting the Engagement and Efficiency of Smart Vending MachinesNight Shift

ADVANTECH



Boosting the Engagement and Efficiency of Smart Vending Machines

with Rich Connectivity and Remote Management

AIMB-289
THIN Mini-ITX



Overview

Smart vending machines are transforming the retail experience, but staying competitive requires cutting-edge hardware. From processing large data volumes and supporting multiple payment methods to enabling real-time updates and predictive maintenance, modern vending machines demand high-performance solutions. The [AIMB-289](#) is designed to meet these needs, delivering advanced functionality to keep machines connected, efficient, and customer-focused.

Key Challenges in the Vending Machine Market

- **Real-Time Data Processing:** Seamless inventory tracking, secure payments, and user analytics.
- **Customer Engagement:** Support for multiple payment options, cloud integration, and enhanced digital signage capabilities.
- **Efficient Operations:** Reduced downtime with IoT-driven remote management and predictive maintenance.

Meeting these demands requires a robust platform with reliable performance, versatile connectivity, and remote monitoring capabilities.

Why the AIMB-289?

Powered by the 14th Gen Intel® Core™ processor, the [AIMB-289](#) is built for the future of vending machines. Its high-speed computing, comprehensive I/O, and DeviceOn remote management integration make it the ideal solution for modern vending systems.

Key Features

Advanced Performance: 14th Gen Intel® Core™ processors ensure fast data processing for seamless transactions and real-time inventory tracking.

Versatile Connectivity: Multiple USB 3.2 connections, COM, and LAN ports support peripherals like payment systems and touchscreens. Ethernet ensures fast, reliable cloud integration.

Smart Management: With DeviceOn, operators can monitor and manage machines remotely, receive early risk alerts, update software, and recover BIOS, minimizing downtime.

The Future of Smart Vending

The AIMB-289 is more than a motherboard — it's a gateway to smarter, more efficient vending machines. Its high-performance computing, robust connectivity, and remote management capabilities enable superior customer engagement and operational excellence. Empower your vending systems with the AIMB-289 and redefine the retail experience.

Related Product



Advantech AIMB-289

12th/13th/14th Gen Intel® Core™ Processor LGA1700

- 12/13/14th Gen Intel® Core™ Desktop Processors (LGA1700), Up to 24Core. Support H610E chipset
- Dual channel DDR5 5600MHz, max. 96GB with two SODIMMs
- Rich expansion: M.2 B key for SSD Storage, M.2 E key for wireless, 2 SATA
- 12-24V DCin Power Input via DC Jack or ATX 4pin+5VSB pin header
- Windows 10/11 LTSC & Ubuntu 22.04 LTS; SUSI API and WISE-DeviceOn
- Triple independent 4K displays with 1 DP1.4, 1 HDMI, and 1 LVDS