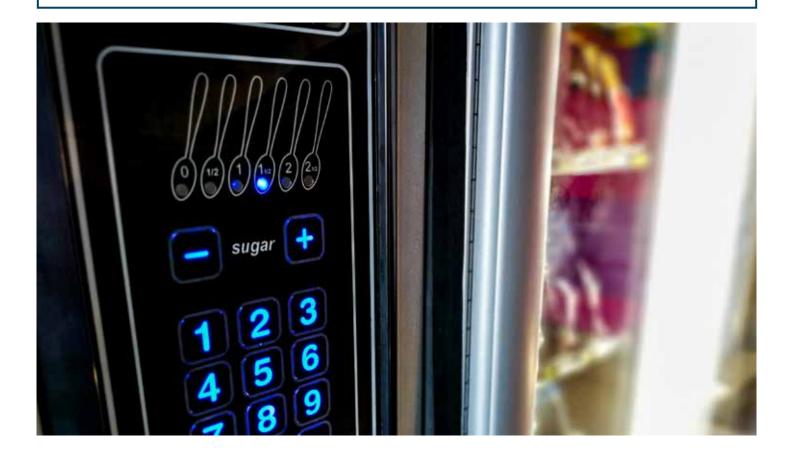# Intelligent and Connected Convenience

A Smart Vending Machine Concept

Delighting customers with smarter and more interactive vending machines that also reduce costs and increase efficiency for operators.

Introduction

Innodisk designed a smart vending machine concept that demonstrates how vending machine operators can use AIoT technology to improve profitability and provide customers with a superior shopping experience.

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Our Roadmap
to Success

InnoAGE SSD
· Industrial-grade storage
· M.2 and 2.5" form factors
· Out-of-band management-
  enabled
· Added security with Microsoft's
  Azure Sphere

iCAP
· Cloud management and
  maintenance
· Web-based platform available
  from anywhere
· Supports dual-band management
· Advanced device monitoring
  features

Challenges

· Downtime is required to be kept to a minimum to ensure
  high service quality and an adequate profit margin
· Physical maintenance work needs to be infrequent to
  reduce costs
· Any devices and components must be able to withstand
  24/7 operations in year-round climate and weather
  conditions

Solutions

· Industrial-grade InnoAGE SSDs with out-of-band
  management
· Innodisk's iCAP device management platform for seamless
  remote maintenance and management
· Innodisk's rugged hardware components that maintain
  high performance in any environment

Result

By leveraging the Innodisk InnoAGE SSD, the smart vending machine concept provided a solution that introduces intelligent features without sacrificing valuable uptime or requiring extra maintenance work. On the contrary, the more sophisticated concept vending machine can manage inventory and forecast demand more effectively than traditional vending machines, thereby reducing the need for maintenance work. The result is a vending machine with features that customers enjoy, such as non-cash payment options, an attractive interface with special promotions and ads, and an optimized selection of products. All while reducing costs for the operator.