Reliable POS Systems for Gas Stations

POS systems are critical for gas stations to maintain continuous operations. A state-owned gas-station operator wanted to retrofit their POS systems to enable seamless operations and reduce the time required for troubleshooting issues.

Why Moxa

- Better understanding of customer-specific needs for POS systems
- Compact design and a rich set of interfaces to meet POS system requirements
- Fanless design and sealed enclosure to reduce system failure and maintenance costs

BXP-C100-C5 Series

Box computers with 11th Gen Intel® Core™ processor

- 11th Gen Intel® Core™ i5 processor
- Rich interface options for up to 10 LAN and 10 serial ports
- Compact design for easy installation

Product Page

Solution Brochure

System Requirements

- Sufficient COM ports to connect to various types of equipment
- Reliable operations with reduced unplanned maintenance
- Compact computers that can be installed inside POS terminals

Moxa's Solution

A gas station POS terminal system needs to connect to a variety of equipment for vehicle refueling and payment processing. Unplanned downtime at POS systems can disrupt operations leading to loss of revenue. A gas station operator selected Moxa's BXP-C100-C5 model of computers to improve reliability and efficiency in gas station operations.

Measuring 210 x 166 x 83 mm, the BXP-C100-C5 box computers offer a wide array of communication interfaces for connections to fuel dispensers, card readers, barcode scanners, keyboard, mouse, printer, and display. A prominent durable power button eases every-day on/off operations.

The fanless design of the BXP-C100-C5 reduces the risk of mechanical failure while the sealed enclosure prevents dust, dirt, and airborne particles from entering and contaminating internal components, ensuring overall system stability and reliability.

An Intel® Core™ i5 CPU supports high-speed data processing in an operating temperature range of -30 to 60°C. The computer comes with a 3-year warranty for reliable operations and reduced maintenance costs.

Control Center

Ethernet
Serial
USB
VGA/HDMI

GAS STATION

10

0000

Barcode Scanner

Display

Magnetic Stripe Card Reader

RS-485

Card Reader   Printer   Keyboard

BXP-C100-C5
Box Computer