

NCR VOYIX | Forecourt Appliance

A universal forecourt connectivity solution for your c-store

The NCR Voyix Forecourt Appliance is designed to offer direct connectivity to all major brands of dispensers, outdoor payment terminals, price signs, tank monitors, and car wash controllers. This high-performance solution eliminates unnecessary heavy hardware – replacing multiple forecourt devices typically required by most existing solutions – with one fit-for-purpose device.

The Forecourt Appliance is designed for maximum reliability and ease of use enabling fast and secure forecourt transactions when used in combination with an Edge deployed forecourt control application. The Fuel Appliance provides last mile connectivity to virtualized or containerized fuel applications.

Installation and configuration are made simple with software configurable forecourt interface ports, a completely jumper-less design, a removable door, and an innovative wall mounting solution.

Industry standard forecourt control

Seamlessly integrate and directly connect to Gilbarco, Wayne, Tatsuno, and other fuel dispensers, outdoor payment terminals or other supported analog forecourt devices.

Scalable

Available model configurations enable cost effective support of both small and large sites. Available units can support up to 32 or 64 fueling positions per site.

Powered by Edge deployed fuel application

Natively designed to operate side-by-side with NCR Voyix Edge deployed forecourt control applications, the fuel appliance has been optimized to complement virtual or container-based fuel application deployments.

For more information visit ncrvoyix.com



Key features

- Streamline maintenance and Return-To-Service while minimizing points of failure in your store network. Use one fit-for-purpose device that eliminates the need for distribution boxes, converters, power packs, and other devices typically required by traditional fuel controllers.
- Easily determine device status by looking at the multi-color status LEDs through the transparent window in the door.
- Easily upgrade existing Panther hardware by reusing mounting brackets and dispenser wiring. (Requires Edge deployment of fuel application.)
- Logical isolation of each port prevents an off-line pump from impacting other pumps
- Physical isolation of each port eliminates ground loops on the forecourt for superior surge protection and fault tolerance.
- Each port has a dedicated communication channel which eliminates communication bottlenecks to deliver the maximum performance possible with existing forecourt infrastructure.
- Designed to run with virtualized containerized NCR Voyix fuel applications.

Technical specifications

Dimensions

- Height 23.0" (58.4cm)
- Width 51.1" (38.4cm)
- Depth 3.7" (9.4cm)
- Weight (max) 24lbs (10.89kg)

Enclosure

- Power coated sheet metal with separate wall mounting bracket, removeable hinge door and transparent window for easy monitoring of status LEDs and cable connections

CPU

- NXP i.MX6 ARM Cortex-A9 Dual 1 GHz

Volatile memory

- On-board 1GB DDR3

Storage

- On-board 16GB eMMC Flash for OS
- Micro SD Card Socket

Operating system

- Linux Yocto

Networking

- One auto-selecting 10/100/1000 Base T Ethernet ports using TCP/IP

Forecourt interface board connectivity (per board)

- Sixteen RS485/Current Loop ports; independently configurable through software
- Two Tokheim/MSM ports; independently configurable through software
- One PEC port
- One EMAIL port

Motherboard connectivity

- One (RS232/422/485) serial port (Can be converted to RJ12)
- Two USB 2.0 ports

Status LEDs

- Multi-color port status LEDs for all ports on the forecourt interface board(s)

Locking mechanism

- Enclosure can be secured using a padlock, Kensington style lock, or a temper evident zip tie

Cable management

- T-Slot side panel for routing cables from internal I/O ports; includes cable lock feature for cable retention

Thermal management

- Passive cooling with no fans

Power

- Integrated auto-switching power supply with standard IEC connector
- Input: 100v-240v AC, 50-60HZ

Temperature and humidity

- Operating Temperature 32F to 122F/0 to 50C
- Storage Temperature 32F to 122F/0 to 50C
- Operating Humidity 5% to 95% non-condensing
- Storage Humidity 5% to 95% non-condensing

I/O Expansion

- Two RS232 serial ports (does not support RS422 or RS485)
- Two USB 2.0 ports
- One gigabit Ethernet port