

Combining Price Checker Functionality with Multimedia Kiosk Features

With its wide range of functions, the RP-05 is ideal for use in a variety of scenarios including retail stores, video rental outlets, duty-free shops, libraries and lottery agencies. The RP-05 multifunctional information terminal combines the attributes of a compact kiosk system with those of a classic price checker. This multifunctional information terminal is simple to use, keeping customers more satisfied as they can look up item prices and other information whenever they want to.

Multimedia Functionality

Featuring a variety of multimedia functions and a 14.4 cm [5.67 inches] touchscreen display, the terminal can provide a range of information to customers quickly and easily, including product prices. Thanks to its two integrated high-grade speakers, the RP-05 delivers exceptionally sharp sound. Its multimedia functionality includes audio-visual output with video playback, allowing it to be used as a versatile information terminal, providing customers not only with the classic price query function, but also giving them easy access to additional product information on a specific item. For instance, the terminal can deliver promotional videos or music-backed images. A powerful RISC CPU delivers the necessary performance at all times. Despite all its compelling features, the RP-05 only takes up a small space on the shop floor.

Flexible System Integration

The RP-05 is available with Linux operating system and provides tremendous freedom for customizing the terminal and developing customer-specific applications. A SDK with examples of code is available for developers. The RP-05 is also flexible to be integrated into an existing network environment. Along with the Ethernet interface, it supports power over Ethernet (PoE) or AC Dual Band WiFi (2.4 and 5GHz) according to IEEE 802.11 a/b/g/n. In addition, the RP-05 supports the SG20 Discovery Emulation Mode. Existing back-office customer applications for price verification can be used ongoing without any changes, when the configurable emulation mode of the RP-05 is activated.

Cutting-Edge Scanning Technology

The powerful RP-05's scanner reads 1D and 2D bar code labels without requiring the user to position it in any particular way. It also recognizes bar codes from displays, smartphones and PDAs. The orientation of the scan window is adjustable and can thus be adapted optimally to the installation conditions. The RP-05 can be easily attached to the wall via two screws or an optionally available VESA mount. A host of interfaces such as USB, RS-232 and SD card allow the functionality of the RP-05 to be extended. An optional expansion module is also available to control an entry/exit gate. The web server built into the RP-05 supports remote administration.



Diebold Nixdorf RP-05

RP-05 Multifunctional Information Terminal at a glance:

- Ideal for various scenarios in retail stores, video rental outlets, duty-free shops, libraries and lottery agencies
- 14.4 cm [5.67 inches] color touchscreen display, 640 x 480 pixels, 400 cd/m²
- Multimedia applications and powerful stereo loudspeakers or 3.5 mm [0.14 inches] headphone jack
- Linux 2.6 kernel as the operating system
- Omnidirectional scanning of linear 1D and 2D bar codes
- Individually adjustable scan window
- Integrated wall mount or optional VESA 75 mm [2.95 inches] mount
- Multitude of interfaces e.g. USB 2.0, SD card and RS232
- Ethernet 10/100 Mb, RJ45
- Support SG20 Discovery Emulation Mode
- Optional Power over Ethernet (PoE) or AC Dual Band WiFi [2.4 and 5GHz] according to IEEE 802.11 a/b/g/n
- Optional usage for entry/exit gate control

Service Options

Tailored services enable efficient deployment of solutions and the highest possible system availability and security based on the Diebold Nixdorf AllConnect ServicesSM Platform:

- Global Deployment and Implementation Services: installation and integration into existing environments
- Maintenance Services: fast Recovery and Security Services
- Managed Services: Store Lifecycle Management, Transformational Outsourcing and Consulting Services

Technical Data

SYSTEM VERSIONS

RP-05 multifunctional information terminal

- Ethernet black 2D scan module, Linux (RP-0550)

- Wi-Fi black 2D scan module, Linux (RP-0551)
- PoE black 2D scan module, Linux (RP-0552)
- Wall mount (optional) (RP-0599)

SYSTEM

- Processor: RISC 400 MHz, RAM 128 MB
- Operating system: Linux 2.6 kernel
- Storage: 256 MB, expandable (USB stick/ SD card)

INTERFACES

- 1 x SD card slot, SD socket
- 2 x USB 2.0, host USB A
- 1 x LAN 10/100 MB RJ-45 network
- 1 x RS232 (+5V power)

DISPLAY

- Size: 5.7, diagonal
- Resolution: 640 x 480 px, 65,535 colors
- Brightness: 400 cd/m², readable in sunlight
- Touch technology: resistive
- Graphics support: png, jpeg, gif, bmp

AUDIO

- Audio ports: high-definition stereo
- Audio formats: wav, wma, mp3
- 3.5 mm [0.14 inches] headphone jack

BAR CODE TYPES

Linear 1D bar codes

- UPC A/UPC E
- EAN-8/EAN-13
- GS1 DataBarTM codes
- Interleaved 2 of 5
- Standard 2 of 5
- Code 128/EAN 128
- Code 39
- Code 93

2D bar codes

- PDF417
- MicroPDF417
- Datamatrix
- MaxiCode
- QR Code
- MicroQR

NETWORK INTERFACES

- Ethernet 10/100 MB, standard on board
- Power over Ethernet (model-dependent)
- Wireless LAN (model-dependent)
 - AC Dual Band WiFi via USB stick (2.4 and 5GHz)

OPTIONS

- VESA 75 wall mount

POWER SUPPLY

- +12 VDC/1.5A 1,500 mA

ENVIRONMENTAL CONDITIONS

- Operating temperature:
 - 0 to +40 C (32 to 104 F)
- Storage temperature:
 - 20 to +60 C (-4 to 140 F)
- Relative humidity:
 - up to 95 % (without condensation)

MOUNTING

- With two screws or VESA 75 mount

APPROVALS

- CE

Dimensions



HEIGHT: 193 mm [7.6 in]

WIDTH: 176 mm [6.93 in]

Height: 193 mm [7.6 inches]

Width: 176 mm [6.93 inches]

Depth: 85 mm [3.35 inches]

Weight: 0.9 kg [1.99 lbs]



To learn more, visit DieboldNixdorf.com.