

## DIEBOLD NIXDORF BA90 POS DISPLAY

# 8-INCH BEZEL-FREE CUSTOMER AND OPERATOR DISPLAY FOR MODERN POS APPLICATIONS

The POS market has evolved in recent years as smartphones and tablets have made touchscreens a part of everyday life. Customers now demand thin screens with a bezel-free design that support multitouch functionality and intuitive interactions. Diebold Nixdorf has taken these factors into account for its new 8-inch customer and operator display, the BA90.

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### DESIGN

The BA90 combines robust aluminum housing, an anti-glare surface and a small footprint, making this display suitable for all retail environments. The bezel-free screen has the look and feel of the latest smartphones and tablets and is easy to maintain and clean. Its LED backlighting ensures an especially brilliant picture.

### INTERFACES

The BA90 features the unique Diebold Nixdorf Panellink2™ interface. This allows for operation of the display with a single cable solution. In addition, the display can also be used with the standard PoweredUSB, DVI and VGA cables common to the POS environment. Use of an external power supply is also possible thanks to a 12V DC connector. In this case, the data transfer is done by a USB A-B cable.

### SCREEN FEATURES

The screen is versatile and can be used with ePOS terminals or as interactive kiosk/touch-point. Its elegant, slim design and graphical user interface creates an attractive addition to stylish and modern checkout lanes.

The BA90 can be used as an operator display thanks to its PC-touch option, while the non-touch version is best suited for use as customer display.

The screen can run on Diebold Nixdorf BEETLE systems, other vendors POS systems and even conventional PCs.

### IMPLEMENTATION AND POWER CONSUMPTION

The VESA-compatible mounting solution allows the screen to be used not only as a desktop solution but also as a wall or pole-mounted system.

The low power consumption of the BA90, which is compliant with EnergyStar standards, helps reduce the POS' environmental footprint.



## CONSULTING AND INTEGRATION

Our focus is to provide our customers with the best business benefits as quickly as possible. To make this happen, our Professional Services practice can provide analysis and concept-design services to define the ideal deployment and integration scenario for your business requirements. We will also deliver integration services as part of our Professional Services portfolio to ensure the smooth and timely deployment of systems throughout your store network.



## SERVICE OPTIONS

Tailored services enable efficient deployment of solutions and the highest possible system availability and security based on the Diebold Nixdorf AllConnect Services<sup>SM</sup> Platform:

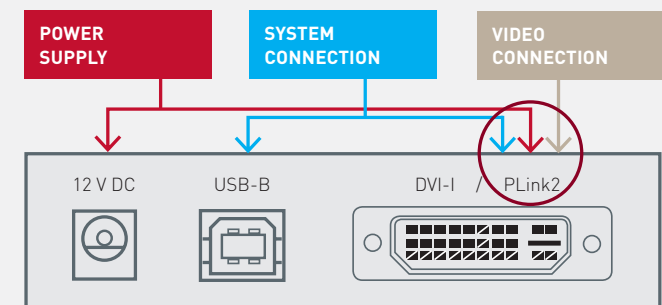
- Global Deployment and Implementation Services: installation and integration into existing environments
- Maintenance Services: fast Recovery and Security Services
- Managed Services: Store Lifecycle Management, Transformational Outsourcing and Consulting Services

## WHY DIEBOLD NIXDORF?

With an installed base of more than 1 million ePOS systems worldwide, Diebold Nixdorf provides leading technologies for automating checkout processes and engaging consumers. Our local presence in more than 130 countries positions us to better understand the market needs of today and anticipate those of tomorrow. We leverage our expertise in seamless omnichannel retailing, store transformation and global delivery excellence, to help retailers achieve their business objectives. We enable a convenient, seamless checkout and shopping experience for consumers who desire consistency across all channels—from store to mobile and beyond.

## TECHNICAL DATA

<b>SCREEN SIZE</b>	• 8"
<b>WEIGHT</b>	• 0.65 kg (1.43 lbs) w/o base • 1.30 kg (2.87 lbs) with base
<b>RESOLUTION</b>	• 800 x 600
<b>NUMBER OF COLORS</b>	• 16.7 million
<b>BRIGHTNESS</b>	• PC-touch: 200 CD/M <sup>2</sup> • Non-touch: 210 CD/M <sup>2</sup>
<b>CONTRAST</b>	• 500:1
<b>VIEWING ANGLE (°)</b>	• 70/70 (H) • 50/70 (V)
<b>FORMAT</b>	• 4:3
<b>DIMENSIONS</b>	• 199.6 x 168.6 x 33 mm (7.86 x 6.64 x 1.3 inches)
<b>INTERFACE</b>	• PanelLink2™, DVI-I, USB-B, Power-jack
<b>MOUNTING OPTIONS</b>	• Stand, pole-mount adapter, VESA 75
<b>OPTIONS</b>	• PC-touch • Non-touch
<b>POWER CONSUMPTION</b>	• 9.9 W (typical) • < 0.5 W (standby)
<b>OPERATING TEMPERATURE</b>	• 5 to +40 °C (41 to 104 °F)
<b>STORAGE TEMPERATURE</b>	• -20 to +60 °C (-4 to 140 °F)





# 10.4" Bezel-Free Customer and Operator Display for Modern POS Applications

The POS market has evolved in recent years as smartphones and tablets have made touchscreens a part of everyday life. Consumers now demand thin screens with a bezel-free design that supports multi-touch functionality and intuitive interactions. Diebold Nixdorf has taken these factors into account with its 10.4" consumer and operator display, the BA91. Design and technology ensure the highest level of reliability, low power consumption and lowest total cost of ownership (TCO). With maximum capabilities packed into a compact size, the display offers digital and analog connectivity options to operate with a range of PC-video interfaces.

## Design

The BA91 combines robust aluminum housing, an antiglare surface and a small footprint, making it suitable for all retail environments. The bezel-free screen has the look and feel of the latest smartphones and tablets and is easy to maintain and clean. LED backlighting ensures an especially brilliant picture.

## Interfaces

The BA91 features the unique Diebold Nixdorf PanelLink2™ interface. This allows for operation of the display with a single cable solution. In addition, the display can be used with the standard Powered USB, DVI and VGA cables common to the POS environment. Use of an external power supply is also possible thanks to a 12V DC connector. In this case, the data transfer is done by a USB A-B cable.

## Screen Features

The screen is versatile and can be used with ePOS terminals or as interactive kiosk/ touchpoint. Its elegant, slim design and graphical user interface (GUI) create an attractive addition to stylish and modern checkout lanes. The BA91 can be used as an operator display via the PC-touch option, while the non-touch version is best suited for use as a consumer display. The screen can run on Diebold Nixdorf BEETLE™ systems, other vendors' POS systems and even conventional PCs.

## Implementation and Power Consumption

The VESA-compatible mounting solution allows the screen to be used not only as a desktop solution but also as a wall or pole-mounted system. The low power consumption of the BA91 helps to reduce the POS environmental footprint.



## Features

### APPLICATION

- Operator display (PC-touch version)
- Customer display (mainly as non-touch version)
- Designed to work with DN BEETLE Systems, other vendors' POS systems and even conventional PCs
- Interactive kiosk/touchpoint
- Information/service-terminal

### EXCEPTIONAL MANAGEABILITY AND SERVICEABILITY

Tailored services enable efficient deployment of solutions and the highest possible system availability and security based on the DN AllConnect Services<sup>SM</sup> for Retail 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

### ENVIRONMENTALLY FRIENDLY

- The BA91 not only offers an environmentally friendly design, it also cuts operating costs and optimizes the total cost of ownership.
- It uses a power-saving design
- The overall power consumption can be reduced by powering peripheral devices directly from the system
- It can utilize the power-saving functions of the operating system

## Technical Specification

### SCREEN SIZE

- 10.4" (26.42 cm)

### WEIGHT

- 1.10 kg (2.43 lbs) w/o base
- 1.75 kg (3.86 lbs) with base

### RESOLUTION

- 1,024 x 768 (native)

### NUMBER OF COLORS

- up to 16.7 million

### BRIGHTNESS (cd/m<sup>2</sup>)

- PC-Touch: 260
- Non-Touch: 270

### CONTRAST

- 1,000:1

### VIEWING ANGLE

- Right /left: +/- 70°C (158°F)
- Top /bottom: +/- 70°C (158°F)

### FORMAT

- 4:3

### DIMENSIONS

- 254.1mm x 206.7mm x 33.5mm

### INTERFACE

- External PanelLink2™, DVI-I
- USB-B (only for PC-Touch version)
- Power-Jack 12V

### MOUNTING OPTIONS

- Stand, pole-mount adapter, VESA 75

### OPTIONS

- PC-Touch
- Non-Touch

### POWER CONSUMPTION

- Max.: 7.5W
- Typ. /Factory Settings: 6.0W
- Standby /Soft off: <=0.5W /<=0.5W

### OPERATING TEMPERATURE

- 5-40°C (41 to 104°F)

### STORAGE TEMPERATURE

- -20 to +60°C (-4 to 140°F)

## Dimensions



Height: 254.1 mm (10.0 inches)  
Width: 206.7 mm (8.14 inches)  
Depth: 33.5 mm (1.32 inches)

The look, dimensions, capabilities or other characteristics of this terminal are subject to continual improvement and change.



## DIEBOLD NIXDORF BA91W POS DISPLAY FOR CUSTOMER AND OPERATOR

# 10.1-INCH BEZEL-FREE WIDE-SCREEN DISPLAY

The market requirements for POS displays have completely changed in recent years. Customers demand thin displays with a widescreen format and a bezel-free, but robust design, supporting multitouch, modern interfaces for more intuitive interaction. The new 10.1" BA91W customer and operator display, is designed to surpass user expectations while showing receipts, purchased goods and promotions.

### PURPOSEFUL DESIGN

The BA91W combines robust aluminum housing, anti-glare surface and a small footprint, making this display suitable for all retail environments. Its wide-screen format (16:10) is perfect for showing commercials and promotional videos. As the screen is bezel-free, it has an appealing look and is easy to maintain and clean. Its LED backlight ensures an especially brilliant picture.

### FLEXIBLE INTERFACES

The BA91W features the unique Diebold Nixdorf PanelLink2™ interface. This allows for operation of the display via a single cable solution. In addition, the display can also be used with the standard Powered USB, DVI and VGA cables common to the POS environment.

The use of an external power supply is also possible thanks to a 12V DC connector. In this case, the data transfer is done by a USB A-B cable.

### SCREEN FEATURES

The screen is versatile and can be used with ePOS terminals or an interactive kiosk. The BA91W touch version is ideal for use as an operator display thanks to its projected capacitive-touch option which supports 10-points. The non-touch version is best suitable for usage as customer display. The screen can be integrated with Diebold Nixdorf's BEETLE systems, other vendors POS systems and even conventional PCs.

### IMPLEMENTATION AND POWER CONSUMPTION

The VESA75-compatible mounting solution allows the screen to be used not only as a desktop model but also as a wall or pole-mounted system. As a dual screen solution, it is possible to mount a BA91W on the rear side of a BA92, BA93 or BA93W using a dual display adapter. The low power consumption of the BA91W, compliant with EnergyStar standards, reduces the environmental footprint of a POS.



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## SERVICE OPTIONS

Tailored services enable efficient deployment of solutions and the highest possible system availability and security based on the Diebold Nixdorf AllConnect Services<sup>SM</sup> Platform:

- Global Deployment and Implementation Services: installation and integration into existing environments
- Maintenance Services: fast Recovery and Security Services
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## WHY DIEBOLD NIXDORF?

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## TECHNICAL DATA

<b>SCREEN SIZE</b>	• 10.1"
<b>WEIGHT</b>	• 1.01 kg / 2.23 lbs (w/o base) • 1.65 kg / 3.64 lbs (with base)
<b>RESOLUTION</b>	• 1,280 x 800
<b>NUMBER OF COLORS</b>	• 16.7 Mio
<b>BRIGHTNESS</b>	• PC-touch: 400 cd/m <sup>2</sup> • Non-touch: 400 cd/m <sup>2</sup>
<b>CONTRAST</b>	• 800:1
<b>VIEWING ANGLE</b>	• 70° / 70° (H) • 50° / 70° (V)
<b>FORMAT</b>	• 16:10
<b>ACTIVE SCREEN SIZE</b>	• 216.96 mm / 8.54 inches (H) • 135.60 mm / 5.34 inches (V)
<b>DIMENSIONS (H X W X D)</b>	• 183.6 x 264 x 33 mm / 7.23 x 10.4 x 1.3 inches
<b>INTERFACE</b>	• DVI-D / PanelLink2 <sup>TM</sup> • USB-B • Power-Jack
<b>MOUNTING OPTIONS</b>	• Stand • Pole mount adapter (VESA75) • Dual display (as secondary display)
<b>OPTIONS</b>	• Projected capacitive touch (10 points) • Non-touch
<b>POWER CONSUMPTION</b>	• 4.60 W (typical) • < 0.5 W (standby)
<b>OPERATING-TEMPERATURE</b>	• 5 to +40 °C / 41 to 104 °F
<b>STORAGE-TEMPERATURE</b>	• -20 to +60 °C / -4 to 140 °F

