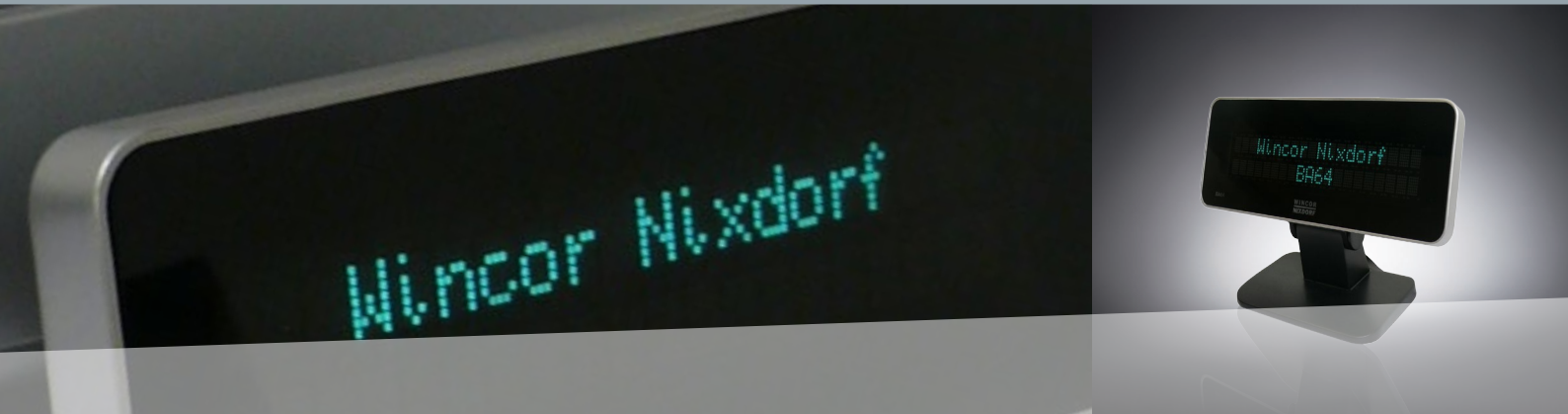


BA64 – Character based customer display series



VFD and LCD line displays for POS

Character based customer displays have dominated the market of customer displays for years. Their simple yet efficient nature in providing information to customers at the point of sales has made them a de-facto standard in most POS scenarios. The BA64 display series offers new features to the market, while at the same time making an effort to allow for an easy migration from legacy installations. Design-wise, the BA64 pairs nicely with the BA9x display series, combining a small footprint with a sleek appearance.

Technologically the BA64 comes in two versions, a VFD and a LCD version, in order to allow world-wide font-sets to be used.

Design

The BA64 design is in line with the BA9x display family design, combining rounded corners and a slim body with a bezel-free housing. The design allows for store furniture integration, separate installations or combination with other Wincor Nixdorf products, such as the iPOSplus Advanced and BA9x displays. The flat surface simplifies maintenance and cleaning.

The two versions, VFD and graphical LCD display share the same housing and the same interfaces, allowing international customers to have one look and feel throughout their installation base.

Interfaces

The customer displays can be connected to the POS system via RS232 (COM) or USB cables. The display itself is the same for both installation scenarios, which allows users of the legacy line displays to do migration to the new generation easily. The RS232 connected version of BA64 is OS-image compatible to the legacy BA63 product, meaning that migration can be done with no impact on middleware or application software. For the USB connected version of BA64, migration only requires updating the middleware with no impact on the application software. All BA64 are recognized as HID devices, allowing operation under Microsoft Windows operating systems without the need for driver installation.

Display features

While maintaining compatibility with the legacy line displays and the existing code pages, the BA64 also offers the support of the Epson ESC POS command and Unicode (UTF-8/UTF-16) character representation. This makes new software application developments easier, especially in cases where characters from multiple country specific code pages are required.

BA64-2 is equipped with a vacuum fluorescent display (VDF), with 2 lines at 20 characters with a 5x7 dot matrix. VFD technology offers best in class clarity and readability of the presented information, even in poor lighting conditions.

WINCOR
NIXDORF



Services

Wincor Nixdorf's fast, professional manufacturer service is available as an option for the POS Touchscreen BA64 as part of the complete solution offer. Tailored services enable the highest possible system availability and security worldwide due to standardized service processes and efficient remote management based on the Wincor Nixdorf eServices Platform®. By request retailers can hand over their complete IT operations and the control of their cash processes to Wincor Nixdorf's service organization.

Published by
Wincor Nixdorf International GmbH
 Heinz-Nixdorf-Ring 1
 33106 Paderborn
 Germany
 Phone: +49 (0) 52 51 / 6 93-3901
 Fax: +49 (0) 52 51 / 6 93-3903
 info.retail@wincor-nixdorf.com
 www.wincor-nixdorf.com

© Wincor Nixdorf International GmbH

Printed in Germany, December 2015

BA64-G is equipped with a LCD graphical display that allows for up to 4 rows at 30 characters of 8x16 pixels. Complex characters like Asian or Arabic can be shown in a 2-line mode.

All BA64 versions can be used in conjunction with BEETLE POS systems, other vendor's POS systems and even conventional PCs, offering a maximum in flexibility in implementing the customer's use case.

Mounting

The BA64 is equipped with a VESA 20x50 mounting pattern, to give store furniture and mounting solution providers a simple and standardized way to integrate the device into their installations. In addition, a desktop stand as well as a pole mount adapter are offered, as well as adapters for dual display mounting with the BA9x operator display series and the BEETLE /iPOS plus Advanced.

TECHNICAL DATA

Model	BA64-2	BA64-G
Display Technology	Vacuum Florescent Display	FSTN, Negative White LED backlight
Characteristics	2 rows x 20 characters Basic cell matrix: 5x7 6.2 x 9.5 mm	4 rows x 30 characters Basic cell matrix: 8x16 Double height/width
Viewing angle: left/right	68/68 degree	40/40 degree
Viewing angle: top/bottom	68/68 degree	40/30 degree
Contrast (nominal)	800:1	40:1
Character resolutions	SBCS: 5x7	SBCS: 8x16 DBCS: 16x16
Host Interface	USB2.0 & RS232	
Character Coding	Supports ASCII, UTF-8 and UTF-16	
Ratings: USB RS232	5V +/-5%, 0.5A 12V +/-10%, 0.3A	5V +/- 5%, 0.2A 12V +/- 10%, 0.15A
Data rate: USB RS232	12Mbps Up to 115.2K, CTS/RTS flow control	
Supported Codepages	Windows & MS-DOS code pages	Windows, MS-DOS and DBCS code pages
Upgradeability	Firmware and code pages are upgradeable	
Compatibility	Backward compatible to BA63 or BA63G. Switchable to ESC/POS compatible mode	
Middleware	JavaPOS 1.13/OPOS UDM, Virtual COM driver	
Supported OS	Windows XP, 7 & 8.1 and Linux	
Operating Environment	0 to 40 °C 5% to 85% RH	
Certifications	CE Class B and FCC Class A	
Dimensions (WxHxD)	201.4 mm x 73.4 mm x 27 mm	
Weight	243 g	216 g