

POS Printers

POS systems are the point of payment in the retail and service sectors. The customer pays for goods or services and receives a cash register receipt or itemized receipt as proof. Special POS printers are used for this; they print not only the customer receipt, but also a paper journal, checks, credit card slips, cash balances, etc. The requirements of today's POS printers are diverse. Whereas for some the receipt is short-term proof that they have paid for goods, for others it is an important document for later warranty claims or as accounting evidence for the local tax office.

Wincor Nixdorf understands the sector's specific wishes and offers a tailored portfolio of POS printers to meet them. The range covers all needs from conventional dot matrix printers to thermal printer, to the hybrid printer – a combination of dot matrix and thermal printing. All these printing technologies have their strengths. Whereas dot matrix printing impresses with low-cost consumables and multi-part printing, thermal printing offers high printing speeds, the very best service life and low noise level printing. Users decide what printing technology best meets their requirements.

The printers are supplied with power from the BEETLE system unit. This connection concept allows the printer to be integrated in the BEETLE emergency power supply concept (UPS). As a result, printing can be completed properly in the event of a power failure. A separate PSU



can be ordered for connection to a PC. All Wincor Nixdorf POS printers have a cash drawer interface.

The POS printers are quality products that are used worldwide and are always state-of-the-art. Whether the focus is on functionality, low foot print, design, operability, printing speed or price/performance – you will always find the right printer for your POS solution at Wincor Nixdorf. To keep the integration into your application is as simple as possible, all

the printers support the ESC/POST™ control sequences. In addition, OPOS and JavaPOS components are offered.


Dot matrix printers

TECHNICAL DATA

The ND77 use tried-and-tested needle printing technology. It is robust and easy to operate and have an excellent price/performance ratio.

The POS printer has three printing stations, and thus offers receipt, journal, form and check printing functions.

It has a powered RS232c port for connecting the BA63 and BA66 customer displays.

DOT MATRIX PRINTERS	
	 <p style="text-align: center;">ND77</p>
Printing principle	9 needles, serial matrix printing
■ Print stations	3 (receipt, journal, document)
■ Paper widths (in mm)	
- Receipt / journal	69.5 (57.5 with adapter*)
- Doc. width / length	> 70 / > 70
■ Document copies	4
■ Printing positions (max.)	
- Receipt / journal	40
- Document	88
■ Printing speed	
- Receipt or journal:	6 lines/s
- Receipt and journal:	6 lines/s
- Document:	3 lines/s
■ Graphics/logo printing	✓
■ Loadable character sets	✓
■ Loadable character sets that can be loaded into the flash (resident)	✓
■ Receipt guillotine	✓
■ Port for cash drawer	✓
■ Port for customer display (RS232c)	✓
■ System interface	RS232c
■ ESC/POST™	✓
■ Fiscal controller (MF)	✓*
■ Power supply	24 V
■ Dimensions (H x W x D in mm)	215 x 251 x 280
■ Weight in kg (approx.)	6

*optional

Thermal and thermal hybrid printers




TECHNICAL DATA

The TH230 is a single-station thermal receipt printer with an excellent print quality, high printing speed and compact design. The TH230 impresses with its excellent ease of use and many port features.

The TH320 is a compact hybrid printer with one of the smallest footprint's in its class. This saves the limited space at the POS. The thermal receipt station prints with high print speed of up to 250 mm/s. The impact document station is very versatile.

The TH420 is a two-station thermal hybrid printer for printing receipts and documents. It combines thermal printing for receipts and dot matrix printing for documents in one housing. The thermal receipt station prints with up to 180mm/s. The impact document station supports a print with of up to 120mm and can print up to 5 copies. The extra wide document table allows also the transport of A4 or Letter format documents.

For all Wincor Nixdorf thermal and hybrid printers a wide range of interfaces from RS232 to PoweredUSB is available. All those printers can also print two color receipts using special paper.

THERMAL - AND HYBRID - PRINTERS			
			
	TH230	TH320	TH420
Printing principle	Thermal direct	Thermal direct (rec.) Dot matrix (doc.)	
■ Paper widths (in mm)			
- Receipt	80	80	
- Document width/length	–	> 70 / > 51	
■ Document copies	–	4	5
■ Document printing width	–	77 mm (3")	120 mm (4.7")
■ Printing positions (max.)			
- Receipt (standard/compressed)		44 / 56	
- Document (standard/compressed)	–	42 / 51	66 / 88
■ Printing speed			
- Monochrome receipt	220 mm/s	250 mm/s	180 mm/s
- Draft mode	300 mm/s	–	–
- with 2-color thermal paper	110 mm/s	100 mm/s	
- Documents	–	4.8 lines/s	
■ Color receipt printing*		✓	
■ Graphics/logo printing		✓	
■ Barcode printing		✓	
■ Loadable character sets		✓	
■ Receipt guillotine		✓	
■ Port for cash drawer		✓	
■ Port for customer display (RS232c)	Option	–	
■ Interface options			
- Serial RS232c		✓	
- USB		✓	
- PoweredUSB		✓	
- Ethernet	✓	–	
■ ESC/POS™		✓	
■ Fiscal controller (MF)	Model TH230-MF	Model MF-EJ320	–
■ Power supply	24 V		
■ Dimensions (H x W x D in mm)	148 x 145 x 195	168 x 165 x 290	178 x 229 x 264
■ Weight in kg (approx.)	2	3.8	4.8
■ Options:	Width of receipt 57.5 mm in table mounting	MICR check reader	–
■ Color options	black/light gray		

*with 2-color thermal paper

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