TH230+

Thermal receipt printer

The TH230+ POS printer is ideal for printing receipts, coupons, vouchers and transaction documents at the POS. Its particularly high printing speed means that it also provides optimum support for receipt shooting for promotion engines in POS applications and ensures that there are no delays in the checkout procedure.

The new PowerSavings+ technology means that the TH230+ saves on costs even when it's not printing. After the printer has been in stand-by mode for a defined period of time, PowerSavings+ switches the printer to sleep mode in which it only consumes less than 0.5 watts of electricity. With this feature, the TH230+ sets a new standard in energy efficiency. Since receipt printers are generally idle for more than 95% of the day, the TH230+ can make an extremely positive contribution to the TCO of your POS system.

The printer's extreme ease of use benefits users. In particular, the simplicity with which paper rolls can be changed wins them over. If rolls with a diameter of 90 mm are used, they also have to be replaced

less frequently than those with an 80 mm diameter, which are also supported. The printer's operating status is shown clearly and understandably by LEDs.

The graphics capability of the TH230+ supports printing of logos and 1D and 2D barcodes, for example. Logos can be stored permanently in the printer. The print resolution of 203 x 203 dpi ensures needle-sharp printouts. Two-color text or graphics printing is also possible with the optional two-color thermal paper.

The modular interface concept offers a wide range of possible uses and investment protection. The printer can be connected to a BEETLE system or POS PC via common POS interfaces. If it is connected to a BEETLE, a power supply unit is usually not required, since the printer is supplied with power directly from the BEETLE.

This allows the printer to be incorporated in the emergency power supply concept, if required, and for transactions to be completed in the event of a power failure. The power ID means that the TH230+ can work

optimally together with power supply units of different strength.

Broad support of UPOS and Windows drivers allows the TH230+ to be used in just about any POS application.

User benefits
- Printing speed up to 300 mm/s (draft mode)
- Low-noise receipt printing
- Graphics capability supports logos and barcodes incl. GS1 DataBar
- Optional two-color printing
- Low power consumption (PowerSavings+)
- Particularly easy changing of receipt rolls
- Low-power mode and power ID
- Especially high reliability

WINCOR NIXDORF

Services

Wincor Nixdorf's fast, professional manufacturer service is available as an option for the Thermal Receipt Printer TH230+ 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®.

TECHNICAL DATA

Print stations
- 1 (receipt)

Printing method
- Thermal direct (203 dpi, 8 dots/mm)

Printing columns
- 44 (standard)
- 56 (compressed)

Printing speed
- Monochrome 220 mm/s, 65 lines/s @ 8 lpi
- Monochrome High Speed draft up to 300 mm/s, 95 lines/s @ 8 lpi with reduced density
- 2-color 110 mm/s

Character density
- 15.6 cpi standard
- 20.3 cpi compressed

Paper width
- 79.5 mm +/-0.5 mm
- 57.5 mm +/-0.5 (optional)

Paper roll diameter
- Max. 90 mm

Barcode
- EAN, UPC, Code 39, Code 128, Interleaved 2of5, Codabar, PDF 417, QR Code
- GS1 DataBar (incl. Truncated, Stacked, Stacked Omni, Limited, Expanded)

Sensors
- Paper low
- Papier end
- Cover open

Power supply
- 24V +/-10% (from the modular BEETLE) or external supply unit (PC), Power-ID

Receipt cutter
- Partial and full cut, reliability: 3,000,000 cuts

Ambient temperature (operation)
- 5 - 45^{0}C

Noise level
- 55 dB(A)

Choice of interfaces to the BEETLE or PC
- RS232c
- RS232c with customer display (BA63)
- RS232c & USB
- USB 2.0 full-speed
- PoweredUSB
- Ethernet

Interface for cash drawers on the printer
- RJ12

Other features
- Buzzer
- Flash ROM 16 Mbit standard
- Resident codepages: PC437, PC720, PC737, PC775, PC850, PC852, PC857, PC858, PC860, PC862, PC863, PC864, PC865, PC866, PC874, WPC1250, WPC1252, WPC1254, WPC1256, WPC1257, WPC28591, WPC28592, WPC28594, WPC28596 WPC28599, WPC28605, KATAKANA
- Downloadable characters
- Lifetime thermal prit head 150 km

Options
- Adapter for 57.5 mm paper
- Wall mounting
- Black mark sensor
- External power supply unit
- Asian character sets

Dimensions in mm (HxWxD)
- 148 x 145 x 195

Weight in kg (approx.)
- < 2.0

Footprint
- 283 cm²

Power consumption
- < 2 W standby
- < 0.5 W sleep

Services (optional)
- Global Deployment Services: rollout and installation
- Availability Services: fast recovery and regular maintenance services
- Operational Services: remote management and help desk for fast resolutions as well as for user support