THERMAL HD

Posnet Thermal HD devices make up a totally new excellence on the market of fiscal printers. Advanced and unsurpassed technological solutions implemented into design of these devices make the Thermal HD printers a perfect instrument to handle sales at shopping facilities with extremely high intensity of traffic and turnover.

Exceptionally efficient

Thermal HD printers have an additional and adjustable sensor designed to detect that printing paper is nearly exhausted. The dedicated orange LED lights up sufficiently in advance to inform a cashier that paper is about to end. The self-sharpening ceramic cutter incorporated into the printing mechanism is an additional solution that makes printing of receipts even more efficient.

Paper width and printing modes

Printers use coils with the paper length of 100 m and two possible values of paper width: 80 mm or 57 mm. They can work in three operation modes: ■ 56 characters /80 mm ■ 40 characters/80 mm and ■ 40 characters /57mm. Hence, users are able to benefit from advantages offered by the device in efficient and complete manner.

FISCAL PRINTER POSNET THERMAL HD

Printing a receipt

Control panel

Electronic duplicate

THERMAL HD
with a stand-alone
and long-leg display

Technical specification

	Thermal XL	Thermal HD
Electronic duplicate		
carrier type	SD/SDHC card, 4 GB	
Compatibility to EU fiscal standards		
multi-currency operation	possibility to switch to any currency to be used for keeping records on sales by the fiscal module (e.g. euro/€)	
Databases		
PLU database	250 000	250 000
product name	80 characters + additional line for description	80 characters + additional line for description
communication protocol	POSNET/THERMAL	POSNET/THERMAL
VAT rates	7 (A...G)	7 (A...G)
Display units		
Operator's display	common with the customer's display	common with the customer's display
Customer's display	OLED compact display, LCD text display, 2 x 20 characters, with backlight ■ standard (integrated) ■ stand-alone LCD text display, 4 x 20 characters, with backlight ■ suspended	LCD text display, 4 x 20 characters, with backlight ■ standard (integrated) ■ stand-alone ■ suspended
Printing mechanism		
type	Thermal Seiko mechanism "drop and print"	Thermal Axiohm mechanism "drop and print"
paper width	57 mm	57 mm or 80 mm
printing speed	47 lines/s	47 lines/s (standard) or 80 lines/s (premium)
number of characters per line	40	40
paper length in coils	100 m	100 m
paper cutter	included	included (ceramic cutter)
Keyboard		
type	membrane type	membrane type
number of keys	4	4
Ports		
standard interfaces	Ethernet, 1 x RS232, 1 x USB	Ethernet, 2 x RS232, 1 x USB
supplementary interfaces	Ethernet (option) for the design with the integrated display	
drawer control	6 V/12 V/18 V/ 24 V	6 V/12 V/18 V/ 24 V
Power voltage		
External power supply	230 V/24 V	230 V/24 V
Embedded rechargeable battery	AGM 12 V/1,2 Ah	NiMH 7,2 V/1,6 Ah
Dimensions and weight		
Dimensions (W x H x L)	125 x 139 x 171 mm (w/o a customer's display) 125 x 149 x 171 mm (with a compact customer's display) 158 x 242 x 232 mm (with an integrated customer's display)	143 x 144 x 181 mm (w/o a customer's display) 158 x 242 x 242 mm (with a customer's display)
weight	~ 2,2 kg	~ 2,2 kg

Important functionalities

■ prints the customer's tax number (NIP/TIN) in the fiscal part of the receipt ■ prints VAT formal invoices ■ prints barcodes on the receipt footer (code 128) ■ prints 2D codes (QR Code, Data Matrix, Aztec, PDF417) ■ prints graphic images on receipts ■ reminds about dates of mandatory technical maintenance ■ integration with CCTV monitoring systems of shops

Authorised Representative of Posnet

POSNET

Fiscal **printers**

THERMAL XL
THERMAL HD

posnet.com

THERMAL XL
THERMAL HD

The Thermal family of Posnet printers has been present on the market for nearly twenty years and the number of satisfied customers that use these products is continuously increasing. The Thermal product line combines well-proven solutions with advanced functionalities and modern design. Implementation of unsurpassed technical novelties leads to massive popularity of these devices since these are the fiscal printers that are the most frequently chosen by the largest trade chains in Poland.

Ergonomics and convenience

Innovative design solution of Posnet Thermal fiscal printers, such as stand-alone or suspended displays as well as compact dimensions of these devices, enable easy and ergonomic arrangement of check-outs of cashier workplaces.

Reminding about scheduled maintenances

The printers offer the function of automatic reminders about the need of scheduled maintenance. Starting from 30 days prior to the pre-programmed date of mandatory maintenance the device, after every boot-up, prints a message with the relevant reminder.

Quick mechanism – "drop-in and print"

Application of a sturdy, heavy-duty printing mechanism with an incorporated cutter makes it possible to print with the speed up to 47 lines/s (150 mm/s), and the easy-handling "drop-in" system enables replacement of 100-meter-long paper coils in only few seconds.

Compatible with most types of drawers

Configurable control voltage for drawers enables collaboration of Posnet fiscal printers with drawers controlled by various interface voltages: 6V, 12V, 18V and 24V. It makes possible to operate printers with most types of drawers available on the market, also with elder types.

Barcodes and 2D codes

Printers offer the functionality to print barcodes (code 128) with whichever information (e.g. system number) that enables easy identification of individual transactions within the system. **Two-dimensional codes** (2D) can be printed in footers of receipts and invoices or at any location on non-fiscal printouts. It is a perfect tool for customer-oriented marketing campaigns since such 2D codes can be used to distribute special gift vouchers or links to a website with current promotional offers. Printers handle the following standards of 2D codes: QR Code, Aztec, Data Matrix and PDF417.

Recommended for:

■ shopping facilities with extremely high intensity of traffic and turnover

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Editable invoices – new format of printouts

Printer software guarantees that invoices shall contain all mandatory information, such as specification of transactions, tax summary and seller's details. Yet the rest of the document content can be defined according to individual requirements and needs of customers. The invoice layout, content of lines to be printed and other information to be included into the invoice can be freely edited upon one's discretion. This new format of invoices enables customers to print customized VAT documents – just as they need.

Non-fiscal printouts and customized printouts owing to "Superformatka" software

Printers of the Posnet Thermal series offer a broad collection of standard document patterns to enable handling printouts related to such purposes as electronic payments, customer loyalty systems and discount campaigns, special shopping vouchers or topping up of prepaid mobile phones. In addition, dedicated software called **"Superformatka"** offers development of customized non-fiscal printouts, which enables users to design own projects with the content suitable for individual needs.

Communication ports

Communication via Ethernet is possible with simultaneous handling several operations on different TCP ports. Such a solution enables concurrent work with the sales system, reading the electronic backup copy or communication with the CCTV monitoring system. In addition, the tunneling function available for COM ports makes it possible to connect auxiliary devices to the printer, for instance a barcode scanner, scales or an additional display. All such devices shall be handled by the sales system.
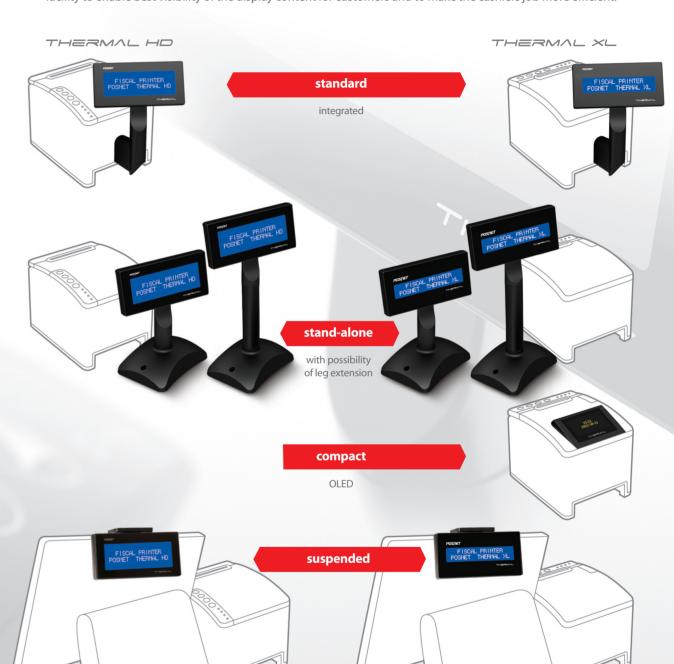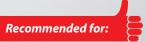
Graphic images on printouts

Each receipt, invoice or a non-fiscal document can become more attractive if they contain customized black and white graphic images in their headers or footers. Users are allowed to define their own graphics , e.g. a shop logo, or a commercial advertisements of a shop supplier, or information about current promotions associated with specific events.

THERMAL HD
with an integrated
display

Select a design option of your display

When arrangement of a supermarket checkout or just a cashier workplace needs a specific design of equipment, fiscal printers of the Thermal series are the best solution. They are available with various types of displays, which makes it possible to select the most suitable printer model that can be easily incorporated into the arrangement of shopping facility to enable best visibility of the display content for customers and to make the cashiers job more efficient.

THERMAL HD

THERMAL XL

standard
integrated

stand-alone
with possibility
of leg extension

compact
OLED

suspended

Suspended display

Benefit from possibilities offered by the design option of Posnet Thermal printers with suspended display. Such a solution enables unrestricted arrangement of shopping facilities and spares room that is normally necessary to install a printer with a standard display. It is also a very efficient and convenient method to make information about the transaction better visible for customers.