Technical specification

	THERMAL HD	THERMAL XL2	TRIO	TEMO
Device version	ONLINE	ONLINE	ONLINE	ONLINE
Protected memory				
type	SD/SDHC card, 4GB	SD/SDHC card, 4GB	micro SD/SDHC card, 4GB	micro SD/SDHC card, 4GB
Database				
merchandise base (PLU)	250 000	250 000	250 000	100 000
merchandise name (signs)	80 + additional description line	80 + additional description line	80 + additional description line	80 + additional description line
VAT rates	7 (A..G)	7 (A..G)	7 (A..G)	7 (A..G)
Displays				
type	LCD 4x20 characters, alphanumerical, back lit: ■ standard (integrated), ■ standalone (optional), ■ suspended (optional)	LCD 4x20 characters alphanumerical, back lit: ■ standard (integrated) ■ compact OLED ■ standalone ■ suspended (optional)	LCD graphical 192 x 64 pixels	LCD 2 x 16 characters, alphanumerical, back-lit
Printing mechanism				
type	Axiohm thermal, „drop-in"	Seiko thermal, „drop in"	Seiko thermal, „drop in"	Seiko thermal, „drop in"
paper width [mm]	57 or 80	57 or 80	57	57
printing speed [line/s]	47	47	30	22
number of char. per line	40 or 56	40 or 56	40	40
paper roll's length [mm]	100	100	30	14
paper cutter	✔ (ceramic)	✔	-	-
Interfaces				
Ethernet	✔	✔	-	-
WiFi	-	✔ (optional)	✔ (optional)	✔ (optional)
Bluetooth	-	✔ (optional)	✔ (optional)	✔ (optional)
RS232	2	1	1 (optional) or 2 (optional)	-
USB	1	1	1 or 3 (optional)	1
operating register's drawer	6V, 12V, 18V, 24V	6V, 12V, 18V, 24V	5V lub 6V, 12V, 18V, 24 V (optional)	-
Power supply				
external feeder	✔	✔	✔	✔
build-in battery	NiMH 7,2V / 1600 mAh	AGM 12V / 1200 mAh	Li - ion 7,3V / 2150 mAh	Li - ion 7,4V / 2150 mAh
Selected functions				
Tax Identification Number (NIP) of a buyer on a receipt	✔	✔	✔	✔
printing invoices	✔	✔	✔	✔
graphics on receipts	✔	✔	✔	✔
code EAN 13, EAN 128	✔	✔	✔	✔
2D codes	✔	✔	✔	✔
super-template	✔	✔	✔	✔
check-up reminder	✔	✔	✔	✔
transaction monitoring	✔	✔	✔	✔

ONLINE printers

ONLINE printers is a category of fiscal devices that communicate with the Central Registers Repository (CRK) kept by the Head of the National Fiscal Administration and transfer relevant data according to the schedule specified by the Repository.

The Repository is also responsible for assigning a serial number to the ONLINE device in the course of fiscalisation. ONLINE registers connect to the Repository every two hours. This is a default time as the Repository can change this schedule of connections.

The Central Registers Repository collects a series of data i.e. from daily reports, fiscal receipts, invoices, cancelled receipts and invoices, as well as non-fiscal documents. The Repository is also provided with information about additional events registered with the device such as e.g. information about mandatory periodic check-ups carried out.

Selected functions of ONLINE registers:

■ **ONLINE register's user** needs to provide Internet access, i.e. respective infrastructure allowing for the register to connect to the Repository.

■ Requirements as to the Internet network are minimum. The user needs to disclose in its Internet network connections to Repository's Internet addresses, specified by the Ministry of Finance.

■ Data transfer to CRK is properly secured and encrypted by the fiscal device.

■ Due to e.g. lack of Internet access in the place of running a business activity, the tax payer can get a consent of the Fiscal Office to connect to CRK at other dates fixed with the Office.

■ Connecting the **ONLINE device** with CRK takes place without the user's knowledge, yet each **ONLINE register** features an on-demand communication option - „connect with the Repository".

■ The tax payer is bound to subject **ONLINE devices** to mandatory technical check-ups at least every 24 months, where the date of the first technical check-up is computed as of fiscalising the device.

■ **ONLINE registers** feature a reminder option about technical check-ups, where execution of the check-up shall be registered by the service on the device.

■ When developing a daily report on the **ONLINE register**, the tax payer can resign from printing it (paper form) - it's enough for the daily report to be performed as an electronic recording.

■ Following each daily report, the device connects with office clock servers and synchronises its RTC clock settings, allowing for proper time settings and, hence, for self update of the summer and winter time.

■ The monthly report can be developed in an abbreviated form, hence being less vast than as in traditional devices. Such monthly report is produced by the 25th day of the following month.

Whom and since when is bound to use ONLINE devices?

2020 1 JANUARY
■ Services in repairing motor vehicles and motorbikes, including repair of tires, installing them, retreading them, regenerating them, and in tires and wheels re-fitting for motor vehicles and motorbikes.
■ Sale of petroleum, diesel, liquid petroleum gas for motor vehicles.

2020 1 JULY
■ Services connected with food rendered only by stationary catering facilities, including also seasonal and covering short-term accommodation.
■ Sale of coal, briquette, and similar solid fuels made of coal, brown coal, coke, semi-coke intended for heating purposes.

2021 1 JANUARY
■ Rendering services by hairdressers, beauty parlours, construction-related, medical care provided by medical doctors and dentists, rendering legal services connected with operation of structures used to improve physical condition only in the scope of enrolment.

Authorised Posnet representative
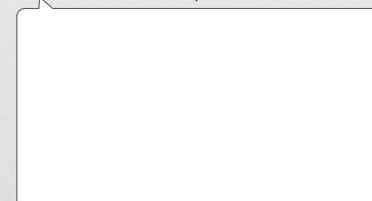
Fiscal **printers**

ONLINE

New era of fiscal devices

posnet.com

THERMAL HD / THERMAL XL2 ⊙NLINE

These are printers featuring robust construction and small size, allowing to optimise the cash register surrounding.

Display options:

- standard LCD integrated (with a tag)
- compact OLED (only with: Thermal XL2 ONLINE)
- standalone LCD with an extension possibility (with Thermal HD ONLINE - optional)
- suspended LCD (optional)

Graphics on receipts

Any non-fiscal print-outs (super-template)

1D and 2D bar codes
Code standards: 1D - EAN 13, EAN 128, 2D - QR Code, Aztec, Data Matrix, PDF417

Recommended for:

- large commercial facilities
- super and hypermarkets
- gas stations
- car showrooms
- warehouses
- cinemas, theatres, museums
- hospitals
- hotels, restaurants

Connection with the Central Register Repository:

- USB
- Ethernet
- WiFi (with Thermal XL2 ONLINE - optional) (with Thermal HD ONLINE - does not exist)

Fiscal terminal
THERMAL HD ⊙NLINE

HD ONLINE Thermal Fiscal Terminal is an innovative combination of fiscal printer with a PC-class computer.

This terminal offers a variety of displays and all fiscal functions of a Thermal HD ONLINE printer.


Thermal HD ONLINE printer

PC computer with Windows software

Computer's technical specification:

Processor: Intel Celeron 847

Random access memory: 4 GB DDR3 (2 x 2 GB)

Mass storage: ultrafast SSD mSATA 120 GB drive

Operating system: Windows POSReady 7

Communication ports: Ethernet, 4 x USB 2.0, 1 x RS232 (gniazdo 8P8C)

Video interface: 2 x HDMI or HDMI + VGA (VGA available via Posnet Active Cable)

Communication protocol: POSNET, THERMAL

Drawer control: 6V, 12V, 18V, 24V

TEMO ⊙NLINE

This is the smallest fiscal device on the market in an ONLINE version, due to its mass and size, it is perfect for mobile operation.

86 mm   46 mm

128 mm
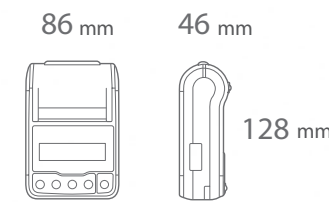
Graphics on receipts

Any non-fiscal print-outs (super-template)

Recommended for:

- car mechanics and tyre specialists,
- small catering businesses
- beauty specialists and hairdressers,
- legal offices,
- doctor's offices,
- car park staff,
- equipment rental

Connection with the Central Register Repository:

- USB
- WiFi (optional)

TRIO ⊙NLINE

A reliable printer featuring modular design allowing to assemble a tablet or smart phone on it.

TRIO fiscal printer

Mobile device tablet/smart phone

Handle for the tablet or smart phone (7' and 10')

POS state of the art sale system

Graphics on receipts

Any non-fiscal print-outs (super-template)

1D and 2D bar codes
Code standards: 1D - EAN 13, EAN 128, 2D - QR Code, Aztec, Data Matrix, PDF417

Recommended for:

- gas stations
- fast foods and bakeries,
- island displays,
- jewellery stores,
- commercial and services facilities,
- groceries, butcheries, alcohol stores

Connection with the Central Register Repository:

- USB
- WiFi (optional)