

Desktop Mini Thermal Printer

GeBE®

Elektronik und
Feinwerktechnik GmbH

Module und Geräte zum Eingeben,
Auswerten, Anzeigen und Ausdrucken
analoger und digitaler Daten.

GPT-437x-FLASH®

58 mm Paper Width

Easy Loading Technology • High Resolution 203 dpi

Text • Graphics • Bar Code

Mobile with Battery Operation • Internal Charging Circuit

Power Management : Power-Saving Power-Down Modes

Serial RS232 Interface • USB

GeBE-IR Protocol • IrDA-Ir • HP-Ir

Bluetooth® Wireless Technology

GeBE Document-No.:

KI-437-E-V3.0

Status: 08.11.2004

Printed: 11.11.2004

German: KI-D-436



wireless!

Easy Loading Mini Thermal Printer GeBE-FLASH®. A new generation of portable printers - from GeBE !

Short Information

- Compact, efficient thermal printers
- Light weight, robust housing with attractive design
- Mobile through battery operation
- Ideal for log, receipt, and ticket printing
- Easy paper handling through Easy Paper Loading Technology
- High print speed up to 50 mm/s
- 384 dots per horizontal line (48mm)
- Multiple character sets (IBM-II/850) with 24, 32, 42, or 54 characters per line
- Prints four bar code types
- Clear and simple interface setting and printer parameters through OPD Menu®
- Custom versions for OEMs available for medium quantities

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Desktop Mini Thermal Printer • GPT-437x-FLASH®

Description

Flexible Configuration

The GPT-437x GeBE-FLASH® is a portable, battery operated industrial printer with a robust, fiber glass reinforced plastic housing.

Due to the wide operating temperature range (-10 to 60°C), the GeBE-FLASH® is ideal for outdoor applications.

Paper Handling Made Easy

The Easy Paper Loading Technology makes inserting paper simple and fast. This facilitated the use of a smaller paper roll, allowing the design of this extremely compact housing. The paper supply lid (lever) is also available transparent in order to show the remaining paper.

Small Space Requirements - Light Weight

This handy, lightweight GeBE-FLASH® thermal printer is ideal for space sensitive and mobile applications. Receipt printing, billing systems, log printing for measuring tasks outdoors, and logistics are typical applications.

Impressive Print Results

There are four character sets with 256 characters each (similar to IBM-II code table 850) and different sizes to choose from. They may be exchanged for other character sets like Cyrillic. The printer always prints with 832 dots per horizontal line pixel graphics, and with the same depth in vertical direction (8 dots/mm equal 203 dpi).

Text and graphic files (advertising texts and company logos) can be stored permanently, or in the 8 or 32KB serial EEPROM.

The printer independently generates four different bar code types (EAN8 / EAN13 / Code39 / 2 out of 5 interleaved, others on request).

Controlled Reliability

The program flow is monitored by a watchdog. Sensors monitor the paper supply, the power voltage and the print head and battery temperature. With the suitable paper, the printer can be operated from -10°C to 60°C tempera-

ture. Printing will automatically be suspended outside this range. The LEDs on the operating console display the status of the power supply and communication through the IR interface, as well as any errors that occurred.

Parameter Setting via OPD Menu®

The most important printer parameters can be set very easily through the OPD Menu® (OnPaperDisplay). Therefore, they are accessible at any time, and confirmed via printout. The inconvenient accessing of DIP switches, or the programming through a terminal program are no longer necessary.

Power Supply and Power Management

The battery pack has four NiMH AA cells with 1,500 mAh. A temperature sensor monitors the battery temperature during the charging process.

The HP version of the printer has a battery compartment for four single AA cells, but no charging circuit. The printer can either be operated with four non-rechargeable AA batteries, or with batteries that are recharged externally.

A special OEM version of the printer can be operated through the socket with a stabilized voltage (4.5 to 6.5VDC/ 2.5A). GeBE offers an external power supply suitable for this version.

The GPT-4378 is equipped with an intelligent charging circuit without limited charging current.

The GPT-4379 has an internal control for the charging current in addition.

If a sleep time has been set via menu, the printer will switch to the power-down mode as soon as this time has expired. It will be reactivated immediately through any kind of data transfer (including infrared) without losing its settings.

Product List

Product	EEPROM	Batt. charging power-supply	Battery pack NiMH 1500mAh	Fixed voltage charging per	RS232 interface	HP-IR-Protocol	GeBE-IR protocol	IrDA-IR	Bluetooth®	USB	Number of keys	Two LEDs	Charging voltage indication	OPD Menu®	Batch files TINIT	expanded SPI Bus	Buzzer	Clock / alarm function
GPT-4379	32 KB	x	x	x	x	-	x	x	x	-	3	x	x	x	x	x	-	x
GPT-4378	8 KB	x	x	-	x	x	x	x	x	x	2	x	-	x	x	-	-	x

Important Technical Data

Paper / eff. print width	57.500.5 / 48 mm
Paper thickness	50 - 80 ±m
Roll diameter	max. 31 mm
Paper length	app. 10 m paper (60±m)
Print speed	up to 50 mm/s
Max. current during printing	Limited to max. 0.7A - 6A (adapting to operating voltage)
Power consumption standard	Online idle mode: typ. 5 mA; sleep mode: typ. 25 ±A; power-off mode: < 1 ±A
Operating temperature	0 - 50 °C, (-10°C on request)
Life span	app. 50 km

Standard Accessories

Art. No	Art. Name	Description
11937	GMT-437x-Flash-Tasche	Belt holster
11542	GMT-4392-LEVER-tr	Opening lid / lever transparent
11975	GKA-484-1-2000	Charging cable, one end open
12131	GKA-492	RS232 data cable mini USB, one end open
11953	GKA-483	RS232 data cable at D-SUB 9 pol to PC
11919	GKA-480	USB data cable at USB type A to PC
11901	GNA-4,8V-1,5Ah-NiMH-Pack-070	NiMH battery pack 4 cells 1500 mAh
11360	GNG-6V-0,5A-U	Charging adapter GPT-4378 with Europe connector
11909	GNG-12V-1,2A-AC	Charging adapter GPT-4379
11347	GPR-T01-057-031-007-060A	Thermal Paper Rolls

Printer Options for OEM

- Custom housing color, design foil
- Program variants and custom character sets
- Large EEPROM: up to 32 KB
- Magnetic card reader: three tracks simultaneously
- SPI-BUS expansions (e.g. keyboard, LC display)
- Paper rewinder
- External power supply
- With externally charged or non-rechargeable batteries



More Information on the Internet:
www.oem-printer.com/flash