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Thermal Printers



GeBE-FLASH®

GPT-437x

TECHNICAL INFORMATION



Highlights at first sight:

- Handy thermal printer in robust plastic housing for 58 mm paper width
- Suitable for protocol and receipt printing with pictures, text, graphics and barcodes
- Independent power supply by GeBE battery pack, chargeable also via 12 VDC automobile on-board power supply
- Multiple interfaces: Bluetooth® 2.0 & 4.0, WLAN, USB, RS232, GeBE-Ir and HPIr
- Printing from the app with Android™ smartphones
- High quality print of 203 dpi with speed up to 75 mm/s
- Customized version, e.g. customer specific operation foil or housing color

The GeBE-FLASH[®]

The battery-powered thermal printer GeBE-FLASH[®] is mounted in a robust and fiber-glass reinforced plastic housing. The printer is tailored for space sensitive and mobile applications. With the GeBE-NiMH battery pack the GeBE-FLASH[®] prints up to 5 paper rolls.

The printer can be ordered in various housing colors and with a customer specific operation foil.

Multiple interfaces are available: Bluetooth[®] 2.0 & 4.0, WLAN, USB, RS232, GeBE-Ir and HPIr. In the Bluetooth[®] version, the GeBE-FLASH[®] can be recognized as an accessory for printing controlled by Android[™] smartphones.

The GeBE-FLASH[®] is compatible to HP Deskjet and HP 82240B. Firmware and fonts can be downloaded at any time - even in the field.

Using the right paper, the printer can be operated in a temperature range of -20°C to +60°C (-4°F to +140°F), also for outdoor application.

Typical application

- Protocol printing, e.g. for measuring technologies in medicine, in the field or logistics
- Receipt printing, e.g. for accounting systems in gastronomy or POS

Drivers

The printer controllers GCT-4366x will be supported by following drivers:

- Windows[®] 7, 8, 8.1, 10 and Windows[®] CE 5.0, 6.0, 7.0
- CUPS for Linux Ubuntu 16.04 LTS, 18.04 LTS, 19.04 LTS and 20.04 LTS (others on request)
- SDK for Windows[®] 7, 8, 8.1, 10 and Windows[®] CE 6.0, 7.0, Android Studio up from version 3.2.1
Linux Ubuntu 16.04 LTS, 18.04 LTS, 19.04 LTS and 20.04 LTS, (others on request)

Accessory details

Article number	Article description
Cable	
11919	Data round cable USB 2.0 FS, USB Mini-B to USB A, length 1,800 mm (70.87 inch)
12540	Data round cable RS232, 9 pin, USB Mini-B to Sub-D, length 1,500 mm (59.06 inch)
Power supply	
11901	GeBE battery pack NiMH 4x 1,650 mAh
14132	Battery charger 12 VDC / 2.5A with EU and UK plug
13979	Charging cable car 12 VDC, length 1,900 mm (74.80 inch)
Spare parts	
12931	Cover and lever anthracite
13072	Cover of battery compartment anthracite
11892	Exchange printer mechanism incl. platen
12116	Exchange platen
Options	
12039	Belt pocket plastics
11937	Belt pocket artificial leather
13281	Belt pocket textile, splashproof
12114	Transportation box with inlay for power supply and paper rolls
13016	Magnetic base
Paper	
13855	12 years paper • roll: max. \varnothing 31 mm (1.22 inch) • coreless • width: 56.5 \pm 0.5 mm (2.22 \pm 0.02 inch) • paper thickness: approx. 55 μ m (2.17 mil) • outside coated • running length: approx. 13 m (14.22 yd)
11347	10 years paper • roll: max. \varnothing 31 mm (1.22 inch) • core inside: \varnothing 7 mm (0.28 inch) • width: 56.5 \pm 0.5 mm (2.22 \pm 0.02 inch) • paper thickness: approx. 60 μ m (2.36 mil) • outside coated • running length: approx. 11 m (12.03 yd)
12033	25 years paper • roll: max. \varnothing 31 mm (1.22 inch) • core inside: \varnothing 7 mm (0.28 inch) • width: 56.5 \pm 0.5 mm (2.22 \pm 0.02 inch) • paper thickness: approx. 60 μ m (2.36 mil) • outside coated • running length: approx. 11 m (12.03 yd)
12428	12 years endless labels • roll: max. \varnothing 31 mm (1.22 inch) • core inside: \varnothing 12 mm (0.47 inch) • width: 56.5 \pm 0.5 mm (2.22 \pm 0.02 inch) • paper thickness: approx. 120 μ m (4.72 mil) • outside coated • running length: 3.8 m (4.16 yd)
Customization	
13204	Customer specific operation foil
13433	Housing in special color RAL
12160	Housing in black color

Technical drawings

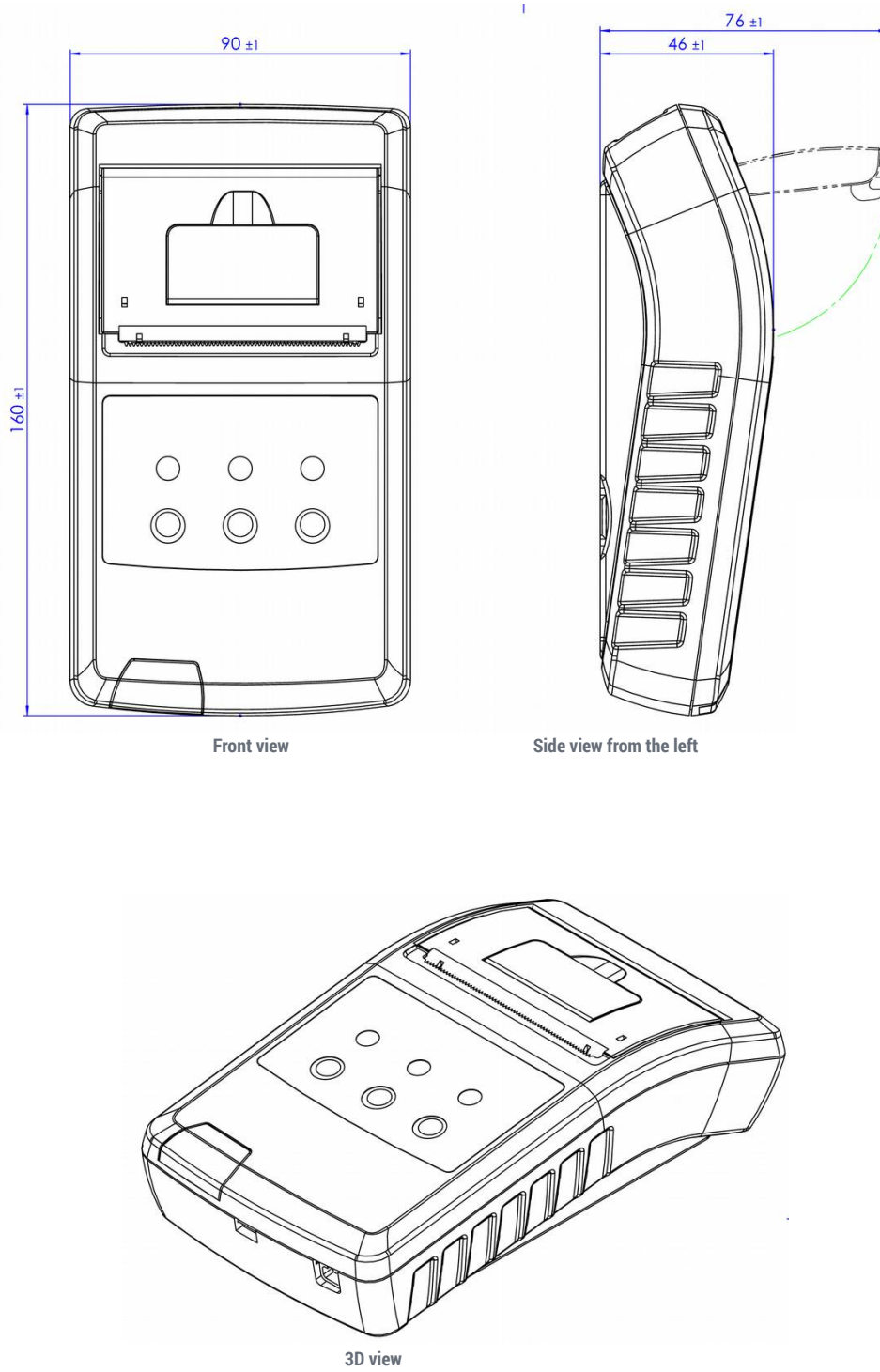


Figure 1: Dimensions for GeBE-FLASH[®] C32 in mm

Technical data details

GPT-437x-C32	
Insert paper	easy paper loading
Print procedure	thermal direct print
Resolution	8 dots/mm (203dpi), 384 dots/line
Print speed	max. 75 mm/s (2.95 inch/s)
Paper width	57.5 ±0.5 mm (2.26 ±0.02)
Print width	48 mm (1.89 inch)
Paper thickness	50 – 70 µm (1.97 – 2.76 mil) or GeBE thin labels
Paper length	approx. 11 m (12.03 yd)
Paper roll diameter	max. 31 mm (1.22 inch)
Supply voltage	4 x NiMH 1,650 mAh, charging supply: 10 – 26 VDC with battery charger 12 VDC at automobile on-board power supply
Current consumption print	adjustable via command: 0.7 – 6.0 A (peak)
Current consumption without print	approx. 55 – 80 mA (depending on interface)
Available interfaces	Bluetooth® 2.0 & 4.0, WLAN, USB 2.0 FS, RS232, GeBE-Ir, HPIr
Fonts	11 fonts extendable, UTF-able
Barcode	EAN8, EAN13, UPCA, Code39, 2of5int, Code128, QR Code
MTBF*)	50 km (31 miles)
Dimensions (W x H x D)	160 x 90 x 46 mm (6.30 x 3.54 x 1.81 inch)
Weight incl. paper roll	approx. 350 g
Housing	PC ABS, color anthracite similar to RAL 7015
Environment **)	-20°C – +60°C (-4°F – +140°F) with specified paper
Humidity	10 – 90 % relative humidity, without condensation
Storage condition	-20°C – +70°C (-4°F – +158°F) at 10 – 90 % relative humidity, without condensation

*) Life cycle according to mechanism testing conditions of the manufacturer with specified paper only. Please inquire. The life cycle of the print head is an averaged expectable performance and no guaranteed data. Under optimum conditions, the above listed data can be achieved using specified paper according to our documentation TI-DE-0606.

***) In case the print head reaches the maximum ambient temperature, the printer will interrupt operation until cooling down and sends an error message.

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