



GeBE-MULDE Maxi

TECHNICAL INFORMATION

GPT-4454



Highlights at first sight:

- built-in thermal printer in a glass fibre reinforced housing
- ideal for protocol, receipt and label printing on paper width 114 mm
- real alternative for A4 printers used in industrial areas, PCL3 graphics compatible
- operation with both 5 VDC and wide input voltage range 10-36 VDC via DC/DC converter
- customized versions for medium quantities, e.g. customer specific operation foil or housing colour
- dynamic printing up to 70 mm/s

The GeBE-MULDE Maxi

The thermal printer GeBE-MULDE Maxi (GPT-4454) is built in a glass fibre reinforced plastic housing and serves the industrial field application as a stationary implementation. It is a true space-saving alternative to A4 printer systems. The GeBE-MULDE Maxi is also compatible to PCL3 graphics. USB and RS232 interfaces are standard available. The GeBE-MULDE Maxi prints on self-adhesive labels. Using the right paper, the printer can be operated in a temperature range of -10°C to +60°C (14°F to 140°F).

Typical application

- protocol printing, e.g. in machines, for technical measurement purposes or documentation
- receipt printing, e.g. at POS or for accounting systems in gastronomy

Drivers

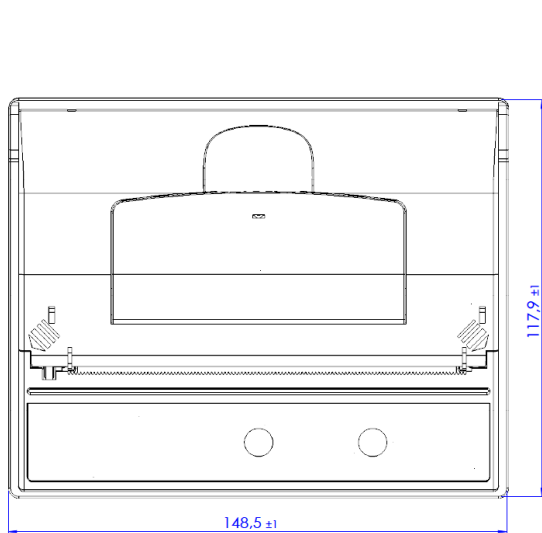
The printer controller GCT-44621 will be supported by following drivers:

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

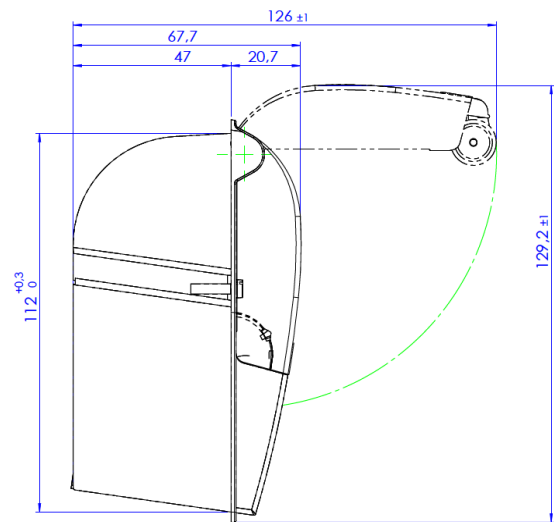
Accessory

Article number	Article description
Cable	
12872	Data round cable USB 2.0 FS, 5 pin, Molex to USB A, length 2,000 mm (78.74 inch)
12538	Data round cable USB 2.0 FS, USB B to USB A, length 1,800 mm (70.87 inch)
11352	Data round cable RS232, 5 pin, JST SHR to Sub-D, length 1,000 mm (39.37 inch)
11387	Data cable RS232, 5 pin, JST SHR - one side open, length 500 mm (19.69 inch)
10589	Data round cable RS232, 9 pin, 1:1 extension Sub-D to Sub-D, length 2,000 mm (78.74 inch)
12082	Power supply cable for 4.5 – 8.5 VDC, 7 pin, Molex - one side open, length 250 mm (9.84 inch)
10258	Power supply cable for 10 – 36 VDC, 2 single wires 1.0 qmm with end splice, one side open, length 500 mm (19.69 inch)
Power supply	
13695	Power supply 24 VDC / 3A with shockproof plug and power supply cable
13696	Power supply 5 VDC / 5A with shockproof plug and power supply cable
Spare parts	
12773	Cover and lever anthracite
11913	Exchange printer mechanism incl. platen
13020	Exchange platen
Options	
13234	Mounting frame in DIN housing 192x144 mm (7.56x5.67 inch) incl. fastening screws
12363	Mounting frame in 3HE 19" rack incl. fastening screws
13815	PCB metal cover with connection labelling
12561	Interface converter ethernet to V.24, 8 – 36 VDC power supply (on request)
Paper	
12028	7 years paper • roll: max. ø 60 mm (2.36 inch) • core inside: ø 25 mm (0.98 inch) • width: 113.5 ±0.5 mm (4.47 ±0.02 inch) • paper thickness: approx. 80 µm (3.15 mil) • outside coated • running length: approx. 25 m (27.34 yd)
12988	10 years paper • roll: max. ø 60 mm (2.36 inch) • core inside: ø 25 mm (0.98 inch) • width: 113.5 ±0.5 mm (4.47 ±0.02 inch) • paper thickness: approx. 80 µm (3.15 mil) • outside coated • running length: approx. 22 m (24.06 yd)
12346	12 years single labels • roll: max. ø 60 mm (2.36 inch) • core inside: ø 25 mm (0.98 inch) • width: 113.5 ±0.5 mm (4.47 ±0.02 inch) • paper thickness: approx. 128 µm (5.04 mil) • outside coated • size: 109.5x76.2 ±0.5 mm (4.31x3.00 ±0.02 inch) • approx. 210 labels
Customising	
12173	Customer specific operation foil
13669	Housing in special colour RAL

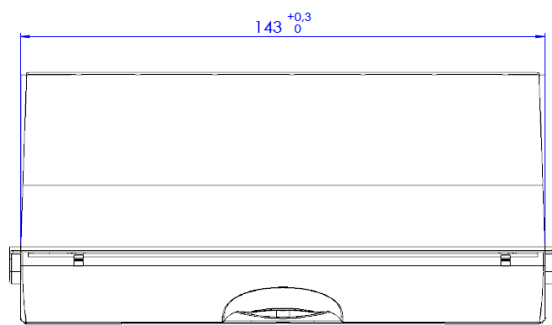
Technical drawings



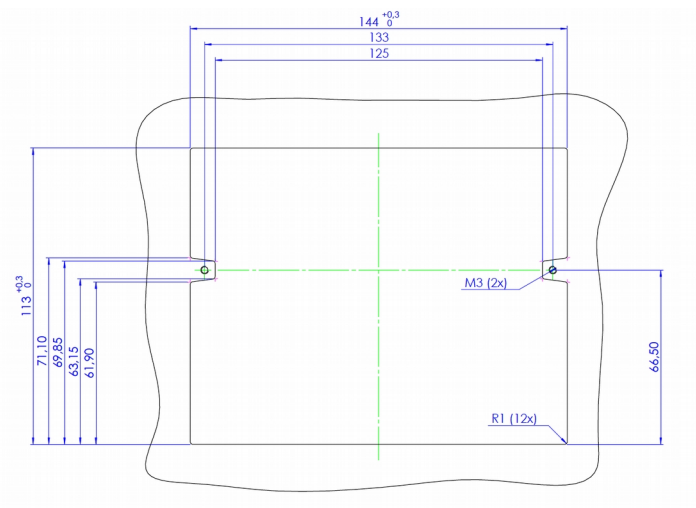
Front view



Side view from the left, cover opened

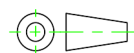


Top view



Installation cutout

Figure 1: Dimensions GeBE-MULDE Maxi in mm



Technical data details

	GPT-4454-C32
Insert paper	easy paper loading
Print procedure	thermal direct print
Resolution	8 dots/mm (203dpi), 832 dots/line
Print speed	max. 70 mm/s (2.76 inch/s)
Paper width	113.5 ±0.5 mm (4.47 ±0.02 inch)
Print width	104 mm (4.09 inch)
Paper thickness	70 – 100 µm (2.76 - 3.94 mil) or GeBE thin labels
Paper length	approx. 43 m (47.03 yd)
Paper roll diameter	max. 60 mm (2.36 inch)
Supply voltage	4.5 – 8.5 VDC and 10 – 36 VDC with DC/DC converter
Current consumption print	adjustable via command: approx. 0.7 – 6.0 A (peak)
Current consumption without print	approx. 60 mA (depending on interface)
Available interfaces	USB 2.0 FS, RS232
Fonts	23 fonts extendable, UTF-able
Barcode	EAN8, EAN13, UPCA, Code39, 2of5int, Code128, QR Code
MTBF ^{*)}	50 km (31 miles)
Dimensions (W x H x D)	150 x 119 x 68 mm (5.91 x 4.69 x 2.68 inch), mounting depth: 47 mm (1.85 inch)
Weight incl. paper roll	approx. 500 g
Housing	PA6 with 15% glass fibre, colour anthracite similar to RAL 7016
Environment ^{**)}	-10°C – +60°C (14°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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