GeBE-Chipset Package
GCS-series
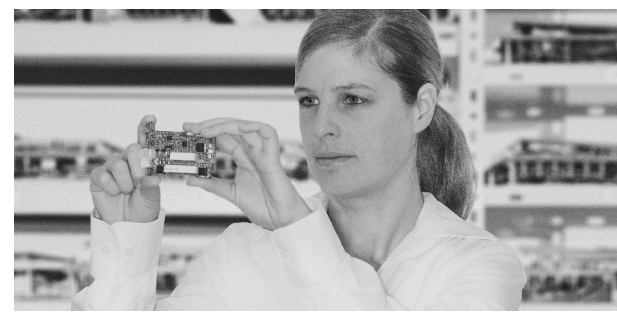
NEW

PRINTER-CHIP SET+
EXPERT KNOW-HOW

GeBE®

INPUT / OUTPUT DEVICES

Printer-Chipset

ECONOMICAL PRINT CONTROL, EXPERT KNOW-HOW INCLUDED

The GeBE-Chipset package is a µProcessor which contains the complete software for controlling printing units. It is the alternative to conventional GeBE printer solutions – including GeBE know-how.

You want to include printing functions in your systems, to reduce development costs and to minimize the component costs? If you use only a thermal printer in combination with the GeBE-Chipset you waive an additional control board or a complete built-in printer.

With the separation of control unit and mechanics design specifications for the entire device can still be realized when a built-in thermal printer with rigid housing is difficult to achieve. In this case you can use a GeBE controller.

If you develop the control for the printing functionality by yourself you risk to spend high development cost as well as to make expensive mistakes which might lead to EMC incompatibility. With the GeBE-Chipset, you control the desired printer functions with your own PCB. You are free to decide which printer mechanism to use for your application.

By using the GeBE-Chipsets, our long-standing expert know-how is at any time available for you. This makes it easy to implement the printing functionality.

With the GeBE-Chipset you first get a list of components (BOM), which we propose for the layout of your control unit. Secondly our experts will give a recommendation for the schematic design of your board for an optimal control of the printer. The heart of all is our µProcessor, which is equipped with GeBE printer firmware. You can update the firmware and fonts at any time. A compatibility with the recommended components is ensured.
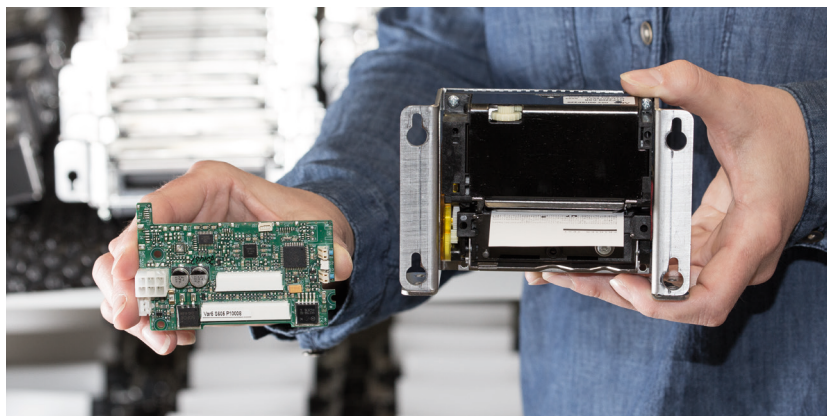
Alternative to built-in printers: separation of control unit and mechanics

The GeBE-Chipset enables the control of thermal print heads from different manufacturers by a central board. Thus, the integration of print functions remains economically feasible in larger projects. On the software side you have only to activate the features you need. The GeBE-Chipset is available for thermal printing units of the thermal printer mechanisms manufacturers APS and Fujitsu. For controlling printing units from other manufacturers you can get it on request.

- Cost effective integration of print functions in OEM systems
- Economical, space-saving alternative to GeBE controllers and GeBE built-in printers, especially in larger numbers
- Optimal use of your control board
- Helpful GeBE expertise included
- Recommended list of components for board layout
- Ensured compatibility with GeBE printer firmware on the µProcessor
- Future-proof updates of fonts and firmware at any time
- Free decision in choosing the best printing unit for the application
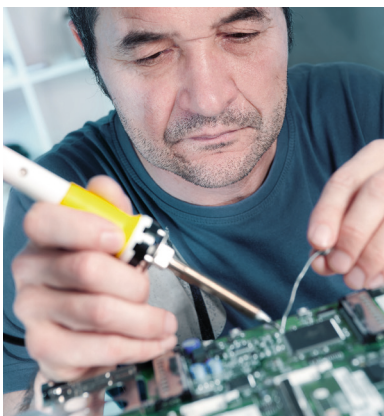
**A8** Controller A8

C32 Controller C32

DID YOU KNOW?

Thermal printing is highly dependent on the prevailing environmental conditions.

A consistend high print quality will only be achieved if during the printing process, for example, the power supply or voltage is dynamically balanced or temperature differences are regulated.

Integrate the print control in your central control unit
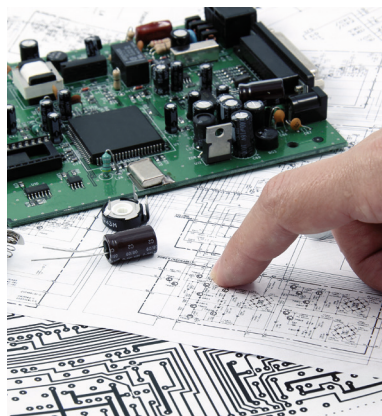
Saves engineering- and head-work: construction of the control board with expert know-how

Saves development- and component-costs: a thermal printer and the GeBE-Chipset

About GeBE

We listen
We will stay in permanent contact to come to a solution together. Reliability, fairness, trust, openness and integrity is the natural basis as to how we do business.

Products, that evolve and improve
Small thermal printers, HMI devices and keyboards of various technologies with micro-processor controlled PCBs compose our product focus. Our vast experience with OEM projects enables us to offer a flexible approach to your individual wishes and expectations. Your design – your firmware? We will make our products yours.

All from one source
Sales, development, production, support. You will receive everything from one source, starting with your first inquiry all the way to serial production. We will manufacture in-house and certify per DIN EN ISO 9001:2008, so you receive "Made in Germany" quality. Reliable, long-lasting and at fair terms.

We expand our know-how
Since 1975 we have developed input and output devices including hardware and software. We constantly apply the newest state of technology and our vast knowledge, so we can accompany you through the development of your I/O application. With answers, trainings, on your application.

You produce yourself?
Even if we do not assemble for you, we will still develop your device or product.

Industry Leading Developments

2012	Intelligent HMI through use of GeBE-INDICO®-Designer GUI.	
2011	First mobile Bluetooth® printer for iPhone®, iPad® and iPod®.	
2004	First 4" panel printer as an alternative to standard DIN A4 desktop printers.	
2001	First panel printer fabricated without screws, with Easy Loading Technology.	
1997	Dot-matrix printer without fixated counter bearing for document printing.	
1994	Prescreption printer with paper turn-over unit for two-sited printing. Basic technology for GeBE-MOTION®.	
1990	First battery powered printer for mobile use.	
1989	Cassette printer with dot-matrix technology and paper cutter for thick cards.	
1985	Plotter for labeling of small signs (serial terminals).	
1974	Rotate and swivle-mounting test adapter including bridges for testing purpouses.	
1965	Instrument for measurement of hydrated layers in photographical film material.	