

Advanced Performance Line

Multifunctional card and barcode reading keyboards with touchpad and freely programmable keys

MX technology with Gold Crosspoint contacts

MultiBoard G80-8109/8113/8116



G80-8109

G80-8113

General

Increasingly, programming professionals are using Windows software for POS and banking applications. And on a cluttered professional desktop, an integrated pointing device is a major benefit. Which is why we decided to incorporate a touchpad into our keyboard, alongside data input devices such as barcode decoders, magnetic stripe card scanners and smart card readers. Extra programmable function keys make entering data even easier.

Technical specifications

Barcode decoder

- 2 independent barcode interfaces
- Automatically recognizes and decodes the following barcodes: Code 39, Code 93, Code 128, Code 16k, Plessey, Industrial 2/5, Codabar, Interleaved 2/5, Code 11, UPC/EAN/JAN
- Scanned data is transferred to system through keyboard interface
- Barcode reader parameters are programmable

Magnetic stripe card reader

- Capable of reading any ISO 7812-compliant magnetic stripe card
- Up to 3 tracks can be read
- Scanned data is transferred to system through keyboard interface
- MTBF 400,000 read cycles
- Magnetic stripe reader parameters are programmable

Smart card reader

- According to CTAPI/MKT
- RS 232 interface

Please ensure that your application software supports the smart card reader. At <http://support.cherry.de> Cherry offers a CTAPI developer kit with the appropriate ct_api.dll.

Interfaces

- One main card reader (ID-1 format) mounted vertically according to ISO 7816/1-3
- Push-pull card reader with spring-loaded contacts
- MTBF 200,000 read cycles
- Active short-circuit breaker protects smart card by deactivating interface within 125 µs; max. current 100 mA in conformance with test specification GSM 11.10

Protocols

Asynchronous protocols
T=0, T=1
Synchronous protocols

Stock codes

	Magnetic tracks 1 + 2	Magnetic tracks 1 + 2 + 3	Smart card reader, top mounted	6-pin barcode reader (right)	9-pin barcode reader (right, rear)	Expanded layout	PS/2/PS/2, sub-D coiled cable	PS/2/PS/2, coiled cable	Gemplus GemPC 410
G 80-8109 LSA..(1)
G 80-8109 LSC..(1)
G 80-8113 LRA..(1)
G 80-8113 LRC..(1)
G 80-8116 LSA..(1)
G 80-8116 LSB..(1)

Additional variants on request

(memory cards)
S=8 (I²C Bus), S=9 (3-wire bus), S=10 (2-wire bus)
Gemplus block protocol (with reader compatible with GemPlus)
Other protocols on request

Technical specifications

The keyboard and smart card reader firmware can be updated.

Temperature range:
Storage temperature: -20 °C to +60 °C
Operating temperature: 0 °C to +50 °C

Dimensions (L x W x H):
470 x 220 x 64 mm

Weight: approx. 1900 g

Power supply:
+5V/DC;

Current input:
typ. 150 mA

Connecting cable:
approx. 1.75 m long

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Individual keys have long service life: >50 million key operations

Programmable keys

All keys except alphanumeric keys can be programmed with up to 16 characters each. 41 programmable keys are equipped with keycaps which users can label themselves. Keys can be programmed manually or with the help of Cherry's configuration software.

Touchpad

PS/2 interface (combined, i.e. RS 232 possible with adapter).

X/Y resolution:
500 dpi (20 dots/mm)

Accessories

The enclosed CD contains a configuration software to allow easy use of programmable functions for keyboard, barcode reader and magnetic stripe card reader. The latest driver software is listed at <http://support.cherry.de>.

(1) International layouts

BE	=	Belgian
CH	=	Swiss
DE	=	German
DK	=	Danish
ES	=	Spanish
FR	=	French
GB	=	English (UK)
EU	=	English (US)
SL	=	SI/HR/YU/BiH
IT	=	Italian
NO	=	Norwegian
SF	=	Swedish/Finnish

Other versions available on request.

