

Advanced Performance Line

Multifunctional card and barcode reading keyboard for credit cards, electronic purses, customer loyalty cards, health cards and smart cards

FTSC technology

MultiBoard G81-7000/8000 series

G81-8003



Pharmacy



Other approvals available on request.

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General

These MultiBoard keyboards offer the ultimate integration of magnetic stripe card reading functions required today, up to two ID-1 format smart card readers, up to four ID-000 format plug-in card readers and a barcode decoder in a single device. So you can keep your workplace tidy without sacrificing the flexibility you need for each of your card-based applications.

Barcode decoder

- 2 independent barcode interfaces
- Automatic recognition and decoding of the following barcodes: Code 39, Code 93, Code 128, Code 16k, Plessey, Industrial 2/5, Matrix 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 decoder

- 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
- Magnetic stripe reader parameters are programmable

Smart card reader

RS 232 interface complying with CTAPI/MKT or PC/SC specifications (depending on version). 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 or two main card readers can be mounted vertically or horizontally in conformance with ISO 7816/1-3 GSM 11.11

- Up to four internal readers for plug-in smart cards (ID-000 format) can be fitted underneath the keyboard
- Positioning of contacts complies with ISO 7816/2, additional options on request
- Push-pull card reader with spring-loaded contacts
- MTBF 200,000 read cycles
- Electrical characteristics comply with ISO 7816/3; 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 (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:
7000 series:
(L x W x H) 405 x 220 x 64 mm (Compact version)
8000 series:
(L x W x H): 473 x 220 x 64 mm (Standard format)

Weight:
7000 series: approx. 2,050 g
8000 series: approx. 2250 g

Power supply:
+5 V/DC

Current input:
typ. 150 mA

Connecting cable:
approx. 1.75 m long

Programmable keys

In most of our smart card reading keyboards, certain function keys (as described in the relevant manual) can be programmed with up to 16 characters each. Keys can be programmed manually or with the aid of Cherry's configuration software.

Accessories

The enclosed CD contains a configuration software program 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>.

Certifications

Smart card

For information about the status of approvals such as EMV, Mondex, Visa cash, ZKA, IT-sec., etc. visit our web page: <http://www.cherry.de>



G81-8002

- Integrated magnetic stripe card reader and smart card reader, top-mounted
- Barcode readers and 1 plug-in card reader can be connected as required
- PS/2 interface for keyboard and magnetic stripe card, RS 232 for smart cards
- Applications include POS, pharmacies, banks, administrations, etc.
- (L x W x H) 470 x 220 x 64 mm

G81-7002

Compact version available with magnetic stripe card and smart card reader
(L x W x H) 405 x 220 x 64 mm



G80-7009

This compact version provides 9 additional programmable keys for e.g. POS applications
(L x W x H) 405 x 220 x 64 mm

G80-8202

This version has 120 or 121 keys, 59 of which can be programmed with up to 16 characters each.
48 of the keycaps are interchangeable
(L x W x H) 470 x 220 x 64 mm



Stock codes

	Magnetic track 1+2	Magnetic track 1+2+3	Smart card, top mounted	Smart card, side mounted	4 Plug In's	Applications interface	6-pin barcode (right)	9-pin barcode (right)	9-pin RS 232	Expanded layout	Coiled cable PS/2, SUB-D
G 81-8002 LQB.. ⁽³⁾ G 81-7002 LQB.. ⁽³⁾	•	•				CTAPI	•	•			•
G 81-8003 LQA.. ⁽³⁾		•	•	•		CTAPI	•	•			•
G 80-8202 LQA.. ⁽³⁾		•	•			CTAPI	•	•		•	•
G 81-8001 LQA.. ⁽³⁾	•			•		CTAPI					•
G 81-8016 LQC.. ⁽³⁾	•		•			PC/SC ⁽¹⁾	•	•			•
G 81-8016 LQK.. ⁽³⁾		•	•	•	•	PC/SC ⁽²⁾	•	•	•		•
G 80-7009 LQB.. ⁽³⁾		•	•			CTAPI	•	•		•	•

(1) Gemplus GemPC 410 compatible
(2) Gemplus GCI 400 ECM compatible
Additional configurations on request

(3) 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.



G81-8001

- Integral magnetic stripe card reader and side-mounted smart card reader
- Barcode readers and 1 plug-in card reader can be connected as required
- PS/2 interface for keyboard and magnetic stripe card, RS 232 for smart cards
- Applications include POS, pharmacies, banks, administrations, etc.
- (L x W x H) 473 x 220 x 50 mm