# SmartBoard

## Smartcard read/write keyboard.

### G83-6716

GemPC410 inside
serial smartcard reader (Microsoft certified)
in the home and at work

# Key benefits

- 104 and 105 keys
- Space-efficient compact keyboard
- Uses membrane contact switches incorporating rubber-mat technology designed for use by individuals
- Reliability: MCBF= 1 x 10$^9$ operations; MTBF > 80,000 hours; operating life of individual keys > 20 million operations
- Laser-engraved keycap symbols are wear-resistant and easy to clean

# Applications

The keyboard is ideal for smartcard applications such as home banking, smartcardbased Internet transactions, authorizing access to PCs, logging on to networks etc. Please check that your application software supports Cherry's G 83-6716 keyboard or will allow you to load the relevant keyboard drivers.

# Technical specifications

## Keyboard

Dimensions:
(L x W x H mm)
458 x 195 x 53,1 mm

Weight:
approx. 1500 g

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

Power supply:
+5 V/DC ± 5%

Current input:
Typically 100 mA

Cable connector:
y-connector with PS/2 plug and RS 232 plug

## Smartcard terminal

Integrated GemPC410 card reader (GEMCORE)
Read / write to any ISO 7816 1/2/3/4 compliant microprocessor smartcard (T=0, T=1)
Supports 3V and 5V cards
MTBF 100 000 read cycles

## Protocols

Smartcard interface:
Asynchronous protocols T=0, T=1

# Accessories

– Software drivers GemPC410 available from Internet www.cherry.de
– For new applications contact Gemplus for development kit and API's in the PC / SC environment please contact Gemplus at: www gemplus.com
– 6-pin PS 2 /5-pin DIN adapter

E-Commerce

# Stock codes

G83-6716 LQA..[1]
Cable with two plugs, PS/2 for keyboard, RS 232 for smartcard

# [1] International layouts

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

Additional layouts available to order