# MultiBoard contactless
## G81-8070

Multifunctional, programmable USB keyboard with integrated contactless card reader.
For commercial use and all other applications requiring a versatile and robust keyboard fulfilling the highest expectations to alphanumeric data entry.

## Facts & Features

- Mechanical individual keys (Cherry FTSC technology)
- Designed for continuous use - > 50 Mio presses per key
- Robust and reliable
- Fully programmable USB 2.0 keyboard
- Contactless smart card reader ISO 14443A/B, ISO 15693 compliant
- Integrated memory
- Programming type can be selected – physical (memory) or via software macros with Cherry Tools
- Provision of statistics data via WMI
- UPOS support for Windows™ and Linux; Support of Client-Server architectures
- Efficient configuration with professional 'Cherry-Tools' software
- High power downstream ports on request (500mA, self-powered, high speed)

## Approvals

- GS ,CE, FCC, cURus, BSMI, WHQL, WIN 2000, XP, Vista

## System requirements

- USB plug and supporting operating system
- Operating System depending on software to be used

## Delivery Volume

- 1 MultiBoard Keyboard
- 1 Printed Manual
- 1 CD-ROM

## Guarantee period

- 2 years

## Contactless Reader

- Omnikey CardMan 5121 compatible
- Connection:  USB 2.0 (Universal Serial Bus)
- Contactless Standards: ISO14443A, ISO14443B, ISO15693
- Transmission Speed contactless interface: with PC: 12 Mbps (USB 2.0 Full Speed) with Card: up to 424 Kbps
- Protocol: T=CL
- Drivers: PC/SC, Sync-API
- Cards supported:
  - Philips: MIFARE®,DESFire®,MIFARE ProX®, SMART MX, i.code
  - HID: iCLASS®
  - Texas Instruments: TagIT®
  - ST Micro: x-ident, SR 176, SR 1X 4K
  - Infineon: My-d (in secure mode UID only)
  - Atmel: AT088RF020
  - KSW MicroTech: KSW TempSens
- Operating systems: Windows 98/ME, 2000, XP, 2003 Server, XP64 bit (IA64, AMD64, EM64T), Linux

**CHERRY**

## Technical Data

- Interface:
  USB 2.0

- Cable Length:
  approx. 1.75 m

- Number of Keys:
  104 = international layout with Windows<sup>TM</sup> keys
  105 = European layout with Windows<sup>TM</sup> keys

- Weight:
  max. 1950 g (keyboard)
  max. 2300 g (with packaging)

- Dimensions:
  approx. 470x220x64 mm (keyboard)
  approx. 521x277x72 mm (packaging)

- Operating life time of individual keys:
  > 50 Mio operations

- Current Input:
  max. 500 mA

- Reliability:
  MCBF > $10^9$ operations
  MTBF > 100.000 hours

- Storage Temperature:
  -20°C to 60°C

- Operating Temperature:
  0°C to 50°C

- Packaging Unit:
  31 keyboards per master carton
  2 master cartons per pallet

## Order Description

| Order Number | Contactless Reader | Colour |
|---|---|---|
| G81-8070LUCxx-0 | CardMan 5121 | light grey |
| G81-8070LUCxx-2 | CardMan 5121 | black |

The xx in the Order Number defines the country version as follows:

European layout:
| | | | | | |
|---|---|---|---|---|---|
| BE | Belgium | CH | Switzerland | DK | Denmark |
| ES | Spain | FR | France | GB | English (UK) |
| SF | Sweden/ Finland | DE | Germany | IT | Italy |

International layout:
EU      US English with €-Symbol

(Other country versions upon request.)

**CHERRY** ®