

# MultiBoard G81-8000



Models may vary from the image shown

## Programmable compact keyboard with built-in magnetic card reader and optional barcode decoder.

Are you looking for a robust and reliable keyboard with programmable magnetic card reader? The MultiBoard G81-8000 is the ideal solution. The keys can also be programmed individually. The keyboard offers the additional option of a programmable barcode decoder.

## Key benefits

- Mechanical individual keys with membrane contact switches (FTSC technology)
- Designed for continuous usage - over 50 mill. confirmations per key
- Robust and reliable
- Programmable magnetic card reader
- Optional barcode decoder. Data is converted to "scan codes" and transmitted via the PS/2 interface (like normal key operations)
- 43 programmable keys
- OPOS and JavaPOS for Windows® and Linux, client-server architectures supported
- Efficient configuration with professional Cherry Tools Software
- Integrated memory

## Magnetic Stripe Reader

- 2 or 3 track reader
- Freely-programmable header and terminator per magnetic card track
- Adjustable transmission of the start and end characters (sentinels)
- Increased security during card processing due to the programming of extended hex codes
- Acoustic signal can be deactivated or activated to sound following successful reading of the magnetic card

## Technical Data:

### Layout (country or language):

Product dependant, see table "Models"

### Housing colour:

Product dependant, see table "Models"

### Key colour:

Product dependant, see table "Models"

### Weight (product):

approx. 1950 g

### Total weight (with packaging):

approx. 2300 g

### Cable Length:

approx. 1.75 m

### Storage Temperature:

-20°C to 60°C

### Operating Temperature:

0°C to 50°C

### Current Consumption:

typ. 35 mA







### Interface:

- PS/2

### Connection sockets (optional, see table "Models"):

- 9-pin SUB-D plug
- 6-pin DIN 240° socket

### Product approvals:

- cURus 
- VDE GS 
- c-tick 
- GOST-R 
- CE 
- FCC 

### System requirements:

- PS/2 connection

### Delivery Volume:

- MultiBoard G81-8000
- CD-ROM with up-to-date software
- Operating instructions in hard copy

### Dimensions (product):

approx. 470 x 220 x 64 mm

### Packaging dimensions:

approx. 521 x 277 x 72 mm

### Reliability:

- MTBF > 100,000 hours
- MCBF > 10 bill. operations

### Keyboard:

- Key technology: FTSC
- Service life, standard key: > 50 million key operations
- Operation characteristics: Linear
- Inscription technology: Laser
- Inscription layout: Normal
- Number of Keys: Product dependant, see table "Models"

**Magnetic Stripe Reader:**

- Magnetic card tracks: Product dependant, see table "Models"
- Magnetic card standards: ISO 7811/-12, JIS 1/2, AAMVA, Gemini
- Magnetic card reading speed: 8 - 318 cm/s at 30 Bit/cm, 8 - 127 cm/s at 83 Bit/cm
- Magnetic card reading cycles: approx. 600,000 reading cycles
- Magnetic card swipe direction: from right to left

**Barcode decoder (optional, see table "Models"):**

- Hardware interface: 6-pin DIN 240° socket, 9-pin SUB-D plug
- Barcode protocols: Code 11, Code 39, Code 93, Code 128, Code 16k, Plessey, Industrial 2/5, Matrix 2/5, Codabar, Interleaved 2/5, EAN/UPC, MSI

**Packaging Unit:**

- Number of products in the master package: 31
- Number of master packages per pallet: 2

**Warranty:**

2 years

Errors, technical changes and delivery possibilities excepted.  
Technical information refers only to the specifications of the products. Features may differ from the information provided.

## Models:

(possible country/layout versions, others available on request)

	Product name	Order number	Layout (country or language)	Housing colour	Key colour	Connection sockets	Number of Keys	Magnetic card tracks	Barcode decoder
1	MultiBoard G81-8000	G81-8000LPABE-0	Belgium	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
2	MultiBoard G81-8000	G81-8000LPABE-2	Belgium	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
3	MultiBoard G81-8000	G81-8000LPACH-0	Switzerland	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
4	MultiBoard G81-8000	G81-8000LPACH-2	Switzerland	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
5	MultiBoard G81-8000	G81-8000LPADE-0	Germany	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
6	MultiBoard G81-8000	G81-8000LPADE-2	Germany	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
7	MultiBoard G81-8000	G81-8000LPADK-0	Denmark	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
8	MultiBoard G81-8000	G81-8000LPADK-2	Denmark	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
9	MultiBoard G81-8000	G81-8000LPAES-0	Spain	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
10	MultiBoard G81-8000	G81-8000LPAES-2	Spain	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+

	Product name	Order number	Layout (country or language)	Housing colour	Key colour	Connection sockets	Number of Keys	Magnetic card tracks	Barcode decoder
11	MultiBoard G81-8000	G81-8000LPAEU-0	US English with EURO symbol	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	104	Track 1, Track 2, Track 3	+
12	MultiBoard G81-8000	G81-8000LPAEU-2	US English with EURO symbol	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	104	Track 1, Track 2, Track 3	+
13	MultiBoard G81-8000	G81-8000LPAFR-0	France	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
14	MultiBoard G81-8000	G81-8000LPAFR-2	France	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
15	MultiBoard G81-8000	G81-8000LPAGB-0	UK	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
16	MultiBoard G81-8000	G81-8000LPAGB-2	UK	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
17	MultiBoard G81-8000	G81-8000LPAIT-0	Italy	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
18	MultiBoard G81-8000	G81-8000LPAIT-2	Italy	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
19	MultiBoard G81-8000	G81-8000LPANO-0	Norway	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
20	MultiBoard G81-8000	G81-8000LPANO-2	Norway	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+

	Product name	Order number	Layout (country or language)	Housing colour	Key colour	Connection sockets	Number of Keys	Magnetic card tracks	Barcode decoder
21	MultiBoard G81-8000	G81-8000LPAPO-0	Portugal	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
22	MultiBoard G81-8000	G81-8000LPAPO-2	Portugal	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
23	MultiBoard G81-8000	G81-8000LPASF-0	Sweden / Finland	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
24	MultiBoard G81-8000	G81-8000LPASF-2	Sweden / Finland	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2, Track 3	+
25	MultiBoard G81-8000	G81-8000LPAUS-0	US English	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	104	Track 1, Track 2, Track 3	+
26	MultiBoard G81-8000	G81-8000LPAUS-2	US English	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	104	Track 1, Track 2, Track 3	+
27	MultiBoard G81-8000	G81-8000LPBBE-0	Belgium	light gray	light gray	-	105	Track 1, Track 2	-
28	MultiBoard G81-8000	G81-8000LPBBE-2	Belgium	black	black	-	105	Track 1, Track 2	-
29	MultiBoard G81-8000	G81-8000LPBCH-0	Switzerland	light gray	light gray	-	105	Track 1, Track 2	-
30	MultiBoard G81-8000	G81-8000LPBCH-2	Switzerland	black	black	-	105	Track 1, Track 2	-
31	MultiBoard G81-8000	G81-8000LPBDE-0	Germany	light gray	light gray	-	105	Track 1, Track 2	-
32	MultiBoard G81-8000	G81-8000LPBDE-2	Germany	black	black	-	105	Track 1, Track 2	-
33	MultiBoard G81-8000	G81-8000LPBDK-0	Denmark	light gray	light gray	-	105	Track 1, Track 2	-
34	MultiBoard G81-8000	G81-8000LPBDK-2	Denmark	black	black	-	105	Track 1, Track 2	-
35	MultiBoard G81-8000	G81-8000LPBES-0	Spain	light gray	light gray	-	105	Track 1, Track 2	-
36	MultiBoard G81-8000	G81-8000LPBES-2	Spain	black	black	-	105	Track 1, Track 2	-
37	MultiBoard G81-8000	G81-8000LPBEU-0	US English with EURO symbol	light gray	light gray	-	104	Track 1, Track 2	-
38	MultiBoard G81-8000	G81-8000LPBEU-2	US English with EURO symbol	black	black	-	104	Track 1, Track 2	-

	Product name	Order number	Layout (country or language)	Housing colour	Key colour	Connection sockets	Number of Keys	Magnetic card tracks	Barcode decoder
39	MultiBoard G81-8000	G81-8000LPBFR-0	France	light gray	light gray	-	105	Track 1, Track 2	-
40	MultiBoard G81-8000	G81-8000LPBFR-2	France	black	black	-	105	Track 1, Track 2	-
41	MultiBoard G81-8000	G81-8000LPBGB-0	UK	light gray	light gray	-	105	Track 1, Track 2	-
42	MultiBoard G81-8000	G81-8000LPBGB-2	UK	black	black	-	105	Track 1, Track 2	-
43	MultiBoard G81-8000	G81-8000LPBIT-0	Italy	light gray	light gray	-	105	Track 1, Track 2	-
44	MultiBoard G81-8000	G81-8000LPBIT-2	Italy	black	black	-	105	Track 1, Track 2	-
45	MultiBoard G81-8000	G81-8000LPBNO-0	Norway	light gray	light gray	-	105	Track 1, Track 2	-
46	MultiBoard G81-8000	G81-8000LPBNO-2	Norway	black	black	-	105	Track 1, Track 2	-
47	MultiBoard G81-8000	G81-8000LPBPO-0	Portugal	light gray	light gray	-	105	Track 1, Track 2	-
48	MultiBoard G81-8000	G81-8000LPBPO-2	Portugal	black	black	-	105	Track 1, Track 2	-
49	MultiBoard G81-8000	G81-8000LPBSF-0	Sweden / Finland	light gray	light gray	-	105	Track 1, Track 2	-
50	MultiBoard G81-8000	G81-8000LPBSF-2	Sweden / Finland	black	black	-	105	Track 1, Track 2	-
51	MultiBoard G81-8000	G81-8000LPBUS-0	US English	light gray	light gray	-	104	Track 1, Track 2	-
52	MultiBoard G81-8000	G81-8000LPBUS-2	US English	black	black	-	104	Track 1, Track 2	-
53	MultiBoard G81-8000	G81-8000LPCBE-0	Belgium	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
54	MultiBoard G81-8000	G81-8000LPCBE-2	Belgium	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
55	MultiBoard G81-8000	G81-8000LPCCH-0	Switzerland	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
56	MultiBoard G81-8000	G81-8000LPCCH-2	Switzerland	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
57	MultiBoard G81-8000	G81-8000LPCDE-0	Germany	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
58	MultiBoard G81-8000	G81-8000LPCDE-2	Germany	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+

	Product name	Order number	Layout (country or language)	Housing colour	Key colour	Connection sockets	Number of Keys	Magnetic card tracks	Barcode decoder
59	MultiBoard G81-8000	G81-8000LPCDK-0	Denmark	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
60	MultiBoard G81-8000	G81-8000LPCDK-2	Denmark	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
61	MultiBoard G81-8000	G81-8000LPCES-0	Spain	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
62	MultiBoard G81-8000	G81-8000LPCES-2	Spain	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
63	MultiBoard G81-8000	G81-8000LPCEU-0	US English with EURO symbol	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	104	Track 1, Track 2	+
64	MultiBoard G81-8000	G81-8000LPCEU-2	US English with EURO symbol	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	104	Track 1, Track 2	+
65	MultiBoard G81-8000	G81-8000LPCFR-0	France	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
66	MultiBoard G81-8000	G81-8000LPCFR-2	France	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
67	MultiBoard G81-8000	G81-8000LPCGB-0	UK	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
68	MultiBoard G81-8000	G81-8000LPCGB-2	UK	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+



	Product name	Order number	Layout (country or language)	Housing colour	Key colour	Connection sockets	Number of Keys	Magnetic card tracks	Barcode decoder
69	MultiBoard G81-8000	G81-8000LPCIT-0	Italy	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
70	MultiBoard G81-8000	G81-8000LPCIT-2	Italy	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
71	MultiBoard G81-8000	G81-8000LPCNO-0	Norway	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
72	MultiBoard G81-8000	G81-8000LPCNO-2	Norway	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
73	MultiBoard G81-8000	G81-8000LPCPO-0	Portugal	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
74	MultiBoard G81-8000	G81-8000LPCPO-2	Portugal	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
75	MultiBoard G81-8000	G81-8000LPCSF-0	Sweden / Finland	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
76	MultiBoard G81-8000	G81-8000LPCSF-2	Sweden / Finland	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	105	Track 1, Track 2	+
77	MultiBoard G81-8000	G81-8000LPCUS-0	US English	light gray	light gray	9-pin SUB-D plug, 6-pin DIN 240° socket	104	Track 1, Track 2	+
78	MultiBoard G81-8000	G81-8000LPCUS-2	US English	black	black	9-pin SUB-D plug, 6-pin DIN 240° socket	104	Track 1, Track 2	+
79	MultiBoard G81-8000	G81-8000LPDBE-0	Belgium	light gray	light gray	-	105	Track 1, Track 2, Track 3	-



	Product name	Order number	Layout (country or language)	Housing colour	Key colour	Connection sockets	Number of Keys	Magnetic card tracks	Barcode decoder
80	MultiBoard G81-8000	G81-8000LPDBE-2	Belgium	black	black	-	105	Track 1, Track 2, Track 3	-
81	MultiBoard G81-8000	G81-8000LPDCH-0	Switzerland	light gray	light gray	-	105	Track 1, Track 2, Track 3	-
82	MultiBoard G81-8000	G81-8000LPDCH-2	Switzerland	black	black	-	105	Track 1, Track 2, Track 3	-
83	MultiBoard G81-8000	G81-8000LPDDE-0	Germany	light gray	light gray	-	105	Track 1, Track 2, Track 3	-
84	MultiBoard G81-8000	G81-8000LPDDE-2	Germany	black	black	-	105	Track 1, Track 2, Track 3	-
85	MultiBoard G81-8000	G81-8000LPDDK-0	Denmark	light gray	light gray	-	105	Track 1, Track 2, Track 3	-
86	MultiBoard G81-8000	G81-8000LPDDK-2	Denmark	black	black	-	105	Track 1, Track 2, Track 3	-
87	MultiBoard G81-8000	G81-8000LPDES-0	Spain	light gray	light gray	-	105	Track 1, Track 2, Track 3	-
88	MultiBoard G81-8000	G81-8000LPDES-2	Spain	black	black	-	105	Track 1, Track 2, Track 3	-
89	MultiBoard G81-8000	G81-8000LPDEU-0	US English with EURO symbol	light gray	light gray	-	104	Track 1, Track 2, Track 3	-
90	MultiBoard G81-8000	G81-8000LPDEU-2	US English with EURO symbol	black	black	-	104	Track 1, Track 2, Track 3	-
91	MultiBoard G81-8000	G81-8000LPDFR-0	France	light gray	light gray	-	105	Track 1, Track 2, Track 3	-
92	MultiBoard G81-8000	G81-8000LPDFR-2	France	black	black	-	105	Track 1, Track 2, Track 3	-
93	MultiBoard G81-8000	G81-8000LPDGB-0	UK	light gray	light gray	-	105	Track 1, Track 2, Track 3	-
94	MultiBoard G81-8000	G81-8000LPDGB-2	UK	black	black	-	105	Track 1, Track 2, Track 3	-
95	MultiBoard G81-8000	G81-8000LPDIT-0	Italy	light gray	light gray	-	105	Track 1, Track 2, Track 3	-

	Product name	Order number	Layout (country or language)	Housing colour	Key colour	Connection sockets	Number of Keys	Magnetic card tracks	Barcode decoder
96	MultiBoard G81-8000	G81-8000LPDIT-2	Italy	black	black	-	105	Track 1, Track 2, Track 3	-
97	MultiBoard G81-8000	G81-8000LPDNO-0	Norway	light gray	light gray	-	105	Track 1, Track 2, Track 3	-
98	MultiBoard G81-8000	G81-8000LPDNO-2	Norway	black	black	-	105	Track 1, Track 2, Track 3	-
99	MultiBoard G81-8000	G81-8000LPDPO-0	Portugal	light gray	light gray	-	105	Track 1, Track 2, Track 3	-
100	MultiBoard G81-8000	G81-8000LPDPO-2	Portugal	black	black	-	105	Track 1, Track 2, Track 3	-
101	MultiBoard G81-8000	G81-8000LPDSF-0	Sweden / Finland	light gray	light gray	-	105	Track 1, Track 2, Track 3	-
102	MultiBoard G81-8000	G81-8000LPDSF-2	Sweden / Finland	black	black	-	105	Track 1, Track 2, Track 3	-
103	MultiBoard G81-8000	G81-8000LPDUS-0	US English	light gray	light gray	-	104	Track 1, Track 2, Track 3	-
104	MultiBoard G81-8000	G81-8000LPDUS-2	US English	black	black	-	104	Track 1, Track 2, Track 3	-