

Advanced Performance Line

MultiBoard G81-7040 / G81-8040

Programmable USB keyboard with integrated Magnetic Card Reader and EMV 2000 approved Smart Card Reader 'SmartTerminal xx44'



Key Benefits

- Cherry FTSC key technology
- Programmable Magnetic Card Reader
- EMV 2000 approved Smart Card Reader (CCID and ISO 7816 compliant)
- 43 programmable keys
- OPOS and JavaPOS support
- Client - Server support
- Software for programming & configuration
- G81-7040 as compact format



Magnetic Card Reader

Optional 2- or 3-track reader

Standards: ISO 7811/-12, AAMVA, JIS
others on request

Reading cycles: approx. 1 Mio.

Reading speed: 3 - 125 inch/s at 75 Bit/inch
3 - 50 inch/s at 210 Bit/inch

Operating and decoding via software

Header (prefix) & Terminator (suffix) of each track can be defined (also with extended Hex Codes)

Tracks can be activated interdependent

Adjustable transmission of start and stop characters (sentinel)

Free selectable output order of the tracks

Parsing of data:

- replace characters with others (per track)
- filter of particular characters (e.g. Byte 1 and 4-8) within a track

Supports Windows system functionalities (depends on operating system)

Smart Card Reader

SmartTerminal xx44
(Omnikey CardMan™ 3121 compatible)

Standards: ISO 7816, EMV 2000
CCID, PC/SC, CT-API

Protocols: T=0, T=1
S=8 (I²C)
S=9 (3-Draht; SLE4418/28)
S=10 (2-Draht; SLE 4432/42)

Card contacting: Landing contacts

Insertion cycles: approx. 200.000

Transfer rate:

to the card: up to 420 Kbps
to the system: up to 12 Mbps

Approvals

CE, GS, VDE, cURus, FCC, C-Tick, VCCI, BSMI
WHQL (Designed for Windows™ 2000 and XP)
EMV 2000 Level 1 for SmartTerminal xx44

System Requirements

USB plug (1.1 or 2.0) and
USB supporting operating system

Delivery Volume

Keyboard, Manual, CDROM

Technical Data

Interface

USB 2.0, full speed (1.1 compatible)

Current Input

max. 300 mA

Cable Length

approx. 1.75 m

Number of Keys

104 / 105 incl. Windows™ keys

Operating Life of Individual Key

> 50 million operations

Reliability

MCBF > 10⁹ operations

MTBF > 100.000 hours

Storage Temperature

-20°C to 60°C

Operating Temperature

0°C to 50°C

Weight

G81-7040

approx. 1700 g (without packaging)

approx. 2100 g (incl. packaging)

G81-8040

approx. 1850 g (without packaging)

approx. 2300 g (incl. packaging)

Available Software

- Cherry Tools
MS Windows™ 98, ME, 2000, XP
- Cherry Tools Runtime
MS Windows™ 98, ME, 2000, XP, XPembedded
- PC/SC Driver for SmartTerminal xx44
MS Windows™ 98, ME, 2000, XP
MS Windows™ CE 3.0 / CE.NET (depends on hardware)
Linux
- SmartDevice Setup for SmartTerminal xx44
MS Windows® 98, ME, 2000, XP
- OPOS Local Edition (OLE for Point of Sale)
MS Windows™ 98, ME, NT4, 2000, XP, XPembedded
- OPOS Client/Server Edition
MS Windows™ NT4, 2000, XP, XPembedded
- JavaPOS Local Edition (Java for Point of Sale)
MS Windows™ 98, ME, NT4, 2000, XP, XPembedded
Suse Linux V8.0 / Kernel 2.4 or higher
IBM JRE V1.3.x and SUN JRE V1.4.x
- JavaPOS Client/Server Edition
MS Windows™ NT4, 2000, XP, XPembedded
Suse Linux V8.0 / Kernel 2.4 or higher
IBM JRE V1.3.x and SUN JRE V1.4.x

Dimensions (approx.)

G81-7040

Keyboard: Width: 405 mm (17.0")
Depth: 220 mm (8.7")
Height: 64 mm (2.3")

Packaging: Width: 455 mm (17.9")
Depth: 275 mm (10.8")
Height: 72 mm (2.8")

G81-8040

Keyboard: Width: 470 mm (18.5")
Depth: 220 mm (8.7")
Height: 64 mm (2.3")

Packaging: Width: 520 mm (20.5")
Depth: 280 mm (11.0")
Height: 72 mm (2.8")

Packaging Unit

G81-7040

34 keyboards per master carton

2 master cartons per pallet

G81-8040

31 keyboards per master carton

2 master cartons per pallet

Warranty

2 years

Order Description

Order Number	Magnetic Card Reader Tracks	Smart Card Reader	Interface	Color
Compact version				
G81-7040LUAx-0	1+2+3	SmartTerminal xx44	USB	light gray
G81-7040LUAx-2	1+2+3	SmartTerminal xx44	USB	black
G81-7040LUBx-0	1+2	SmartTerminal xx44	USB	light gray
G81-7040LUBx-2	1+2	SmartTerminal xx44	USB	black
Standard version				
G81-8040LUAx-0	1+2+3	SmartTerminal xx44	USB	light gray
G81-8040LUAx-2	1+2+3	SmartTerminal xx44	USB	black
G81-8040LUBx-0	1+2	SmartTerminal xx44	USB	light gray
G81-8040LUBx-2	1+2	SmartTerminal xx44	USB	black

The xx in the order description defines the country version as follows:

BE	Belgium
CH	Switzerland
DE	Germany
DK	Denmark
ES	Spain
EU	US English / international with €
FR	France
GB	English (UK)
IT	Italy
NO	Norway
PO	Portugal
SF	Sweden/ Finland
US	English (US)

Other country versions upon request.

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The manufacturer accepts no liability for errors or non-availability, and reserves the right to change specifications without prior notice.

Technical data relates to product specifications only. Features may differ from those described. Only drawings combined with product specifications shall be deemed binding.

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