

Point of Sale

G81-8040 Series POS Keyboards



**Multifunctional USB
Keyboard with Integrated
Magnetic Stripe Reader and
PCSC & EMV Compatible
Smart Card Reader**

Main Applications

Point of Sale/Retail

- Retail
- Hospitality
- Airlines
- Postal Services
- Car Rentals

Point of Transactions/Service

- Banking
- Government
- Healthcare
- Education
- Transportation

Key Features

- PC/SC and EMV 2000 Compatible Smart Card Reader Ensures Universal Application Support
- Top Insertion Smart Card Reader Enables Card to Stay in Plain View of the User
- Supports Maximum Smart Card Speed for Fastest Data Transmission and Highest Read & Write Performance
- Landing Contacts Ensure up to 200,000 Smart Card Insertion Cycles
- Smart Card Reader Drivers for Windows, Linux and Macintosh
- 43 Free Programmable Keys for Easy Layout Configuration

Options

- High Performance Magnetic Stripe Reader with Freely Programmable Headers and Terminators for Each Track
- Selection of Non-keyboard Hexcodes Enhances Security for Credit Card Processing
- Free Parsing and Configuration of Magnetic Stripe Data
- Powerful Configuration Software 'Cherry Tools' Enhances Functionalities When Switching into 'Virtual Programming Mode' and Allows for Quick Product Setup & Configuration
- Easy Configuration File Transfer with Windows Explorer
- UPOS Drivers for Windows and Linux Support of Client-Server Architectures
- Remote Network Installation with 'Cherry Tools Runtime' Version (USB)
- Full Size Keyboard
- Mechanical Keyswitches are Rated at 50 Million Actuations to Withstand Harsh Environments and Ensure Long Product Lifetime
- Full US 104 Position Key Layout

Part Number

G81-8040LUBUS-2

Black USB keyboard with 2 track magnetic stripe reader and PCSC/EMV high performance smart card reader. US 104 position key layout. Mechanical key switches, 43 programmable keys. Cherry Tools configuration software and UPOS drivers.

Additional product versions on request.



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Technical Data

Interface

USB 2.0

Current Input

max. 300 mA

Smart Card Reader

Standards:

ISO 7816, PC/SC, EMV 2000,
CCID cards, CTAPI

Protocols:

T=0, T=1, I²C (S=8), 2 wire
(S=10), 3 wire (S=9)

Data transfer rate from reader to:

Card: up to 420 Kbps
PC: up to 12 Mbps

Magnetic Strip Reader

Standards:

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

Reader head:

up to 1 million cycles

Reading speed:

3–125 inch/s at 75 Bit/inch
3–50 inch/s at 210 Bit/inch

Data is decoded to keyboard scancodes.

Cable Length

Approx. 1.75 m

Key Layout

Full size 104 position US key layout
including Windows keys

Weight (without/with packaging)

1850/2300 kg

Dimension

Approx. 470 x 220 x 64 mm (keyboard)
Approx. 520 x 280 x 72 mm (packaging)

Packaging Units

31 keyboards per master carton
2 master cartons per pallet

Keyswitch Lifetime

>50 million operations

Storage Temperature

-20°C to 60°C

Operating Temperature

0°C to 50°C

Available Software

Cherry Tools
MS Windows™ 98, ME, 2000, XP

Cherry Tools Runtime:
MS Windows™ 98, ME, 2000, XP
XP Embedded

PC/SC Smart Card Reader Drivers
MS Windows™ 98, ME, 2000, XP
MS Windows™ CE 3.0 / CE.NET
(depends on HW) Linux, Macintosh

OPOS Local Edition

(OLE for Point of Sale):
MS Windows™ 98, ME, NT4, 2000, XP,
XP Embedded

OPOS Client/Server Edition

MS Windows™ NT4, 2000, XP,
XP Embedded

JavaPOS Local Edition

(Java for Point of Sale):
MS Windows™ 98, ME, NT4, 2000,
XP, XP Embedded
Suse Linux V8.0 / Kernel 2.4 or higher
IBM JRE v1.3.x and SUN JRE V1.4.x

Approvals

CE, GS, VDE, cURus, FCC, C-Tick,
VCCI, BSMI (USB only) WHQL
(Designed for Windows™ 2000 and XP)

Delivery Volume

Keyboard, Manual, CDROM

Warranty

3 years

For information on repairs or
warranty status contact:

Cherry Technical Support

Phone: 800.510.1689

E-Mail: keyboardsupport@cherrycorp.com

Contact

Call, fax or visit our
website for more information.

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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.