

For Help Call  
**1.800.241.6264**



## Cherry Data Sheet

More information available at [POSMicro.com](http://POSMicro.com)

### QUESTIONS?

Ask the experts at [POSMicro.com](http://POSMicro.com).

 **1.800.241.6264**

 **Live Chat Now**

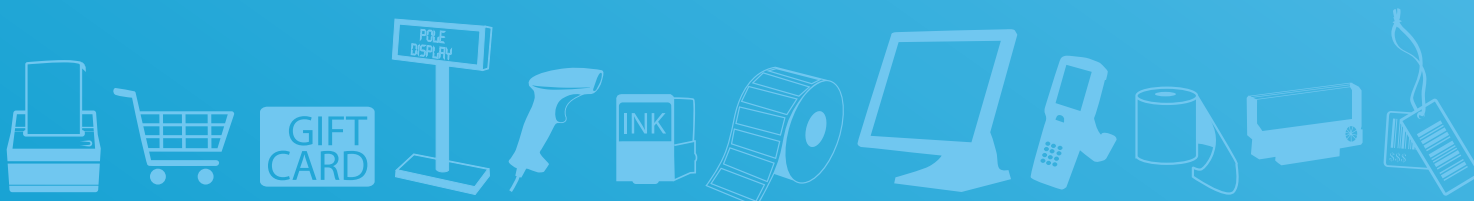
 [support@POSMicro.com](mailto:support@POSMicro.com)

Monday - Friday 6 AM to 5 PM Pacific Time

### BULK DISCOUNTS

FREE SHIPPING\*

**SE HABLA  
ESPAÑOL**



\*Free ground shipping to the continental USA on orders over \$100.

ADVANCED PERFORMANCE

AP  
KEYBOARDS

Bar Code Decoders

Magnetic Stripe & Smart Card

Integrated Fingerprint Scanners

Programmable &  
Relegendable Keys

CHERRY 



# KEYBOARD FEATURES

**G80-11900**



**Compact, 104-key IBM compatible keyboard with touch pad for PC PS/2 systems**

**Dimensions:**  
16.3" X 7.6"

- Mechanical MX keyswitches with gold crosspoint contacts
- Integrated touch pad with two mouse buttons
- 104-key Microsoft Windows™ layout

G80-11900LPMUS . . . . . Laser-printed key caps, Y-cable PS/2 and PS/2 interface  
G80-11900LTMUS . . . . . Laser-printed key caps, Y-cable PS/2 and PS/2 interface  
Includes PS/2-to-AT adapter and PS/2-to-serial adapter

**G80-1950**



**Compact, 105-key IBM compatible matrix keyboard with programmable keys and integrated magnetic stripe reader for PC AT and PS/2 systems**

**Dimensions:**  
12.6" X 8.6"

- Mechanical MX keyswitches with gold crosspoint contacts
- 105 programmable, relegendable key positions
- Integrated magnetic stripe reader
- Keyboard layout can be reconfigured using interchangeable keycaps
- Options: bar code decoder, RS232 port

G80-1950PAAXB . . . . . Track 1 & 2 magnetic stripe, AT interface  
G80-1950PBAXB . . . . . Track 1 & 2 magnetic stripe, bar code, AT interface  
G80-1950PPAXB . . . . . Track 1 & 2 magnetic stripe, PS/2 interface  
G80-1950PQAXB . . . . . Track 1 & 2 magnetic stripe, bar code, and PS/2 interface

**G80-7009**



**Compact, 113-key IBM compatible keyboard with 52 programmable keys, integrated magnetic stripe reader and smart card reader/writer for PC AT and PS/2 systems.**

**Dimensions:**  
15.9" x 8.7"

- Mechanical MX keyswitches with gold crosspoint contacts
- Microsoft Windows keys
- 52 programmable/33 relegendable keys
- Integrated magnetic stripe reader
- Integrated top-mounted smart card reader/writer
- Options: bar code decoder, plug-ins for SAM

G80-7009LOBUS . . . . . Track 1 & 2 & 3 magnetic stripe, smart card, bar code, Y-cable PS/2 and serial interface

**G80-8109**



**Full-size, 120-key IBM compatible keyboard with integrated magnetic stripe reader, touch pad and optional smart card reader/writer for PC PS/2 systems**

**Dimensions:**  
18.5" X 8.7"

- Mechanical MX keyswitches with gold crosspoint contacts
- Microsoft Windows keys
- 59 programmable/41 relegendable keys
- Integrated magnetic stripe reader
- Integrated touch pad with two mouse buttons
- Options: smart card reader/writer, bar code decoder, RS232 port, plug-ins for SAM

G80-8109LSBUS . . . . . Track 1 & 2 magnetic stripe, smart card, integrated touch pad, tri-cable PS/2, PS/2 and serial interface  
G80-8109LSCUS . . . . . Track 1 & 2 magnetic stripe, smart card, integrated touch pad, bar code, tri-cable PS/2, PS/2 and serial interface  
G80-8113LRAUS . . . . . Track 1, 2 & 3 magnetic stripe, integrated touch pad, bar code, Y-cable PS/2 and PS/2 interface  
G80-8113LRBUS . . . . . Track 1 & 2 magnetic stripe, integrated touch pad, Y-cable PS/2 and PS/2 interface  
G80-8113LRCUS . . . . . Track 1 & 2 magnetic stripe, integrated touch pad, bar code, Y-cable PS/2 and PS/2 interface

**G80-8113**



**G81-12000**



**Full-size, 104-key IBM compatible keyboard with integrated fingerprint scanner and optional smart card reader/writer for PC PS/2 systems**

**Dimensions:**  
18.5" X 8.7"

- Full Travel Sealed Contacts (FTSC) technology with membrane contacts
- Microsoft Windows keys
- 43 programmable keys
- Integrated fingerprint scanner
- Options: access control software, smart card reader/writer, plug-ins for SAM

G81-12000LTBUS . . . . . Fingerprint scanner, smart card, tri-cable PS/2, serial and parallel interface, includes software  
G81-12000LTBUS . . . . . Fingerprint scanner, smart card, tri-cable PS/2, serial and parallel interface, without software  
G81-12100LVDUS . . . . . Fingerprint scanner, Y-cable PS/2 and parallel interface, includes software  
G81-12101LVDUS . . . . . Fingerprint scanner, Y-cable PS/2 and parallel interface, without software

**G81-12100**





G81-7000



G81-7002



G81-7005



G80-8200



G80-8202



G83-6700



**Compact, 104-key IBM compatible keyboard with 43 programmable keys, integrated magnetic stripe reader and optional smart card reader/writer for PC AT and PS/2 systems.**

**Dimensions:**  
15.9" x 8.7"

- Full Travel Sealed Contact (FTSC) technology with membrane contacts
- Microsoft Windows keys
- 43 programmable keys
- Integrated magnetic stripe reader
- Options: top-mounted smart card reader/writer, plug-ins for SAM, bar code decoder, RS232 port, 24 relegendable key caps

---

G81-7000LAAUS . . . . .	Track 1, 2 & 3 magnetic stripe, bar code, AT interface
G81-7000LABUS . . . . .	Track 1 & 2 magnetic stripe, AT interface
G81-7000LACUS . . . . .	Track 1 & 2 magnetic stripe, bar code, AT interface
G81-7000LAKUS . . . . .	Track 1 & 2 magnetic stripe, 24 relegendable key caps, AT interface
G81-7000LALUS . . . . .	Track 1 & 2 magnetic stripe, bar code, 24 relegendable key caps, AT interface
G81-7000LPBUS . . . . .	Track 1 & 2 magnetic stripe, PS/2 interface
G81-7000LPCUS . . . . .	Track 1 & 2 magnetic stripe, bar code, PS/2 interface
G81-7000LPDUS . . . . .	Track 1, 2 & 3 magnetic stripe, PS/2 interface
G81-7000LPKUS . . . . .	Track 1 & 2 magnetic stripe, 24 relegendable key caps, PS/2 interface
G81-7000LPLUS . . . . .	Track 1 & 2 magnetic stripe, bar code, 24 relegendable key caps, PS/2 interface
G81-7002LBAUS . . . . .	Track 1, 2 & 3 magnetic stripe, smart card, Y-cable AT and serial interface
G81-7002LBCUS . . . . .	Track 1, 2 & 3 magnetic stripe, smart card, 1 plug-in, Y-cable AT and serial interface
G81-7002LQBUS . . . . .	Track 1, 2 & 3 magnetic stripe, smart card, 1 plug-in, bar code, Y-cable PS/2 and serial interface

---

**Compact, 104-key IBM compatible keyboard with 43 programmable keys and integrated smart card reader/writer for PC AT and PS/2 systems.**

**Dimensions:**  
15.9" x 8.7"

- Full Travel Sealed Contact (FTSC) technology with membrane contacts
- Microsoft Windows keys
- 43 programmable keys
- Integrated top-mounted smart card reader/writer
- Options: bar code decoder, plug-ins for SAM, 24 relegendable key caps

---

G81-7005LBBUS . . . . .	Smart card, Y-cable AT and serial interface
G81-7005LBDUS . . . . .	Smart card, bar code, Y-cable AT and serial interface
G81-7005LQBUS . . . . .	Smart card, Y-cable PS/2 and serial interface
G81-7005LOCUS . . . . .	Smart card, bar code, 1 plug-in, Y-cable PS/2 and serial interface

---

**Full-size, 120-key IBM compatible keyboard with 59 programmable keys, integrated magnetic stripe reader and optional smart card reader/writer for PC AT and PS/2 systems.**

**Dimensions:**  
18.5" x 8.7"

- Mechanical MX keyswitches with gold crosspoint contacts
- Microsoft Windows keys
- 59 programmable/48 relegendable keys
- Integrated magnetic stripe reader
- Options: integrated smart card reader/writer, bar code decoder, RS232 port, key lock, plug-ins for SAM

---

G80-8200LAAUS . . . . .	Track 1 & 2 magnetic stripe, bar code, AT interface
G80-8200LABUS . . . . .	Track 1 & 2 magnetic stripe, AT interface
G80-8200LADUS . . . . .	Track 1 & 2 & 3 magnetic stripe, AT interface
G80-8200LPAUS . . . . .	Track 1 & 2 magnetic stripe, bar code, PS/2 interface
G80-8200LPBUS . . . . .	Track 1 & 2 magnetic stripe, PS/2 interface
G80-8200LPEUS . . . . .	Track 1, 2 & 3 magnetic stripe, bar code, PS/2 interface
G80-8202LBCUS . . . . .	Track 1 & 2 magnetic stripe, smart card, bar code, Y-cable AT and serial interface
G80-8202LQAUS . . . . .	Track 1 & 2 & 3 magnetic stripe, smart card, bar code, Y-cable PS/2 and serial interface
G80-8212LPAUS . . . . .	Track 1 & 2 magnetic stripe, bar code, key lock, PS/2 interface

---

**Full-size, 104-key IBM compatible keyboard with integrated smart card reader/writer for PC PS/2 systems.**

**Dimensions:**  
18.0" x 7.6"

- Membrane switch contacts with single rubber sheet provides distinct, tactile feel
- 104-key Microsoft Windows layout
- Integrated smart card reader/writer
- PS/2 or serial smart card interface
- Laser etching of customer logo artwork available

---

G83-6700LPAUS-1 . . . . .	Smart card, PS/2 interface, light gray
G83-6700LQAUS-1 . . . . .	Smart card, Y-cable PS/2 and serial interface, light gray

---

G81-8000  
G81-8001



G81-8002



G81-8003



G81-8004  
G81-8005



G81-8006



G81-8008



**Full-size, 104-key IBM compatible keyboard with 43 programmable keys, integrated magnetic stripe reader and optional smart card reader/writer for PC AT and PS/2 systems.**

**Dimensions:**  
18.5" x 8.7"

- Full Travel Sealed Contact (FTSC) technology with membrane contacts
- Microsoft Windows keys
- 43 programmable keys
- Integrated magnetic stripe reader
- Options: smart card reader/writer, bar code decoder, 24 releasable key caps, RS232 port, plug-ins for SAM

---

G81-8000LAAUS	Track 1 & 2 & 3 magnetic stripe, bar code, AT interface
G81-8000LABUS	Track 1 & 2 magnetic stripe, AT interface
G81-8000LACUS	Track 1 & 2 magnetic stripe, bar code, AT interface
G81-8000LADUS	Track 1 & 2 & 3 magnetic stripe, AT interface
G81-8000LPAUS	Track 1 & 2 & 3 magnetic stripe, bar code, PS/2 interface
G81-8000LPBUS	Track 1 & 2 magnetic stripe, PS/2 interface
G81-8000LPCUS	Track 1 & 2 magnetic stripe, bar code, PS/2 interface
G81-8000LPDUS	Track 1 & 2 & 3 magnetic stripe, PS/2 interface
G81-8001LPAUS	Track 1 & 2 magnetic stripe, smart card, PS/2 interface
G81-8002LBBUS	Track 1 & 2 & 3 magnetic stripe, smart card, bar code, Y-cable AT and serial interface
G81-8002LBCUS	Track 1 & 2 & 3 magnetic stripe, smart card, 1 plug-in, Y-cable AT and serial interface
G81-8002LQBUS	Track 1 & 2 & 3 magnetic stripe, smart card, bar code, Y-cable PS/2 and serial interface
G81-8003LBAUS	Track 1 & 2 & 3 magnetic stripe, smart card, bar code, Y-cable AT and serial interface
G81-8003LBCUS	Track 1 & 2 magnetic stripe, smart card, bar code, Y-cable AT and serial interface
G81-8003LQAUS	Track 1 & 2 & 3 magnetic stripe, smart card, bar code, Y-cable PS/2 and serial interface
G81-8003LQCUS	Track 1 & 2 magnetic stripe, smart card, bar code, Y-cable PS/2 and serial interface

---

**Full-size, 104-key IBM compatible keyboard with 43 programmable keys and integrated smart card reader/writer for PC AT and PS/2 systems.**

**Dimensions:**  
18.5" x 8.7"

- Full Travel Sealed Contact (FTSC) technology with membrane contacts
- Microsoft Windows keys
- 43 programmable keys
- Integrated smart card reader/writer
- Options: bar code decoder, plug-ins for SAM, 24 releasable key caps

---

G81-8004LBAUS	Smart card, Y-cable AT and serial interface
G81-8004LQAUS	Smart card, Y-cable PS/2 and serial interface
G81-8005LBAUS	Smart card, 1 plug-in, Y-cable AT and serial interface
G81-8005LBBUS	Smart card, Y-cable AT and serial interface
G81-8005LQBUS	Smart card, Y-cable PS/2 and serial interface
G81-8006LBAUS	Smart card, bar code, Y-cable AT and serial interface
G81-8006LQAUS	Smart card, bar code, Y-cable PS/2 and serial interface
G81-8006LQBUS	Smart card, Y-cable PS/2 and serial interface

---

**Full-size, 104-key IBM compatible keyboard with 43 programmable keys and integrated bar code decoder for PC AT and PS/2 systems.**

**Dimensions:**  
18.5" x 8.7"

- Full Travel Sealed Contact (FTSC) technology with membrane contacts
- Microsoft Windows keys
- 43 programmable keys
- Integrated bar code decoder
- Options: RS232 port, 24 releasable key caps

---

G81-8008LAAUS	Bar code, AT interface
G81-8008LPAUS	Bar code, PS/2 interface

---

**C**herry's lineup of Advanced Performance Keyboards represents a new generation of keyboards capable of supporting smart card, magnetic stripe, plug-in (SIM/SAM), bar code and biometric applications in one integrated device.

Our full-size and reduced footprint keyboards bring a new level of freedom to your keyboard selection process. Using Cherry's unique, menu-driven approach, you can select a keyboard with the exact features you want... no more, no less. The choices include:

#### Smart Card Readers/Writers

- Capable of reading/writing any ISO 7816 compliant smart cards
- Up to four plug-ins can be integrated under the keyboard for SAM modules

#### Magnetic Stripe Reader

- Capable of reading any ISO 7811 or AAMVA compliant magnetic card
- Up to four tracks can be read simultaneously, with various track combinations available
- Independent track header and terminator programmability

#### Bar Code Decoder

- Multiple bar code interfaces available
- Automatically recognizes and decodes bar codes
- Differentiates between wand and laser emulation automatically

#### Biometrics

- Optical Finger Print Scanner

#### RS-232 Port

- Uni-directional, 9-pin Sub-D connector to support ASCII input

#### Configuration Software

- Windows™-based software for programming keys, establishing header and terminator codes, configuring functionality for magnetic stripe reader and bar code decoder
- Windows '95, '98 and NT 4.0 compatible
- Available on the Cherry website at [www.cherrycorp.com](http://www.cherrycorp.com)



## GENERAL SPECIFICATIONS\*

### Electrical Specs

#### Power Supply:

+5V/DC ±5%, <200 mA typical

#### Temperature:

Storage Temperature Range:

-4°F to +140°F

Operating Temperature Range:

+32°F to +122°F

#### Interface:

Bi-directional, synchronous serial.  
The keyboard communicates with  
the system via clock and data lines.

#### Data Format:

IBM compatible, bi-directional

#### Data Buffer:

All codes are buffered  
before transmission

#### Self-Diagnostic Test:

After power-on or upon  
system request

#### Rollover:

Alpha N-key rollover

#### Automatic Repeat:

Keys have auto-repeat function

#### Reset:

Keyboard automatically resets  
at power-on

### Approvals

#### Radio Frequency Interfaces:

FCC, EN, CE

#### Ergonomics:

ZH, ISO

#### Safety:

UL, CSA, EN, VDE

#### Susceptibility:

IEC

### Other Fine Cherry Keyboards

In addition to our unique line of

**Advanced Performance Keyboards,**

Cherry also has a wide selection of highly  
reliable **General Purpose Keyboards**  
featuring ergonomic design, PC/Windows™  
compatibility and foreign language layouts.  
Cherry's mechanical keyswitch and membrane  
technology provide outstanding performance  
at an affordable price. The chart below shows  
just a sample of our wide selection. For a  
complete product brochure on Cherry General  
Purpose Keyboards, contact Cherry today.



Part No.	Description	Overall Dimensions	Total Number of Keys	Programmable Keys	Relegandable Key Caps	Number of Function Keys	Interface	Windows Keys	Pointing Device w/ Mouse Buttons
G80-11900	Compact, Beige	16.3" x 7.6"	104	0	0	12	PS/2	x	x
G80-1800	Compact, Beige	15.9" x 7.1"	101	0	0	12	AT, PS/2		
G80-3000	Full Size, Beige	18.5" x 7.7"	101/104	0	0	12	AT, PS/2, USB	x	
G80-3700	Numeric Key Pad, Beige	4.3" x 7.7"	21	4	4	0	AT, PS/2		
G81-1800	Compact, Beige or Black	15.9" x 7.1"	101/104	0	0	12	AT, PS/2	x	
G81-3000	Full Size, Beige or Black	18.5" x 7.7"	101/104	0	0	12	AT, PS/2, USB	x	
G81-8308	Programmable, Beige	18.5" x 8.7"	130	24	24	12	AT, PS/2	x	
G83-6101	Full Size, Beige	15.9" x 8.7"	101	0	0	12	AT, PS/2		
G83-6104	Full Size, Beige	15.9" x 8.7"	104	0	0	12	AT, PS/2, USB	x	
G83-6300	Spill-Resistant, Beige	15.9" x 8.7"	104	0	0	12	AT, PS/2	x	
G83-6700	Smart Card, Beige	15.9" x 8.7"	104	0	0	12	PS/2	x	
G84-4100	Notebook, Beige or Black	11.1" x 5.2"	83/86	0	0	12	AT, PS/2	x	
G84-4101	Notebook Style, Gray	11.1" x 5.2"	83	0	0	12	AT, PS/2		
G84-4110	Notebook Style, Dk.Gray	11.1" x 5.2"	83	0	0	12	PS/2		
G84-4400	Notebook Style, Beige	14.6" x 5.5"	83	0	0	12	PS/2		x
G84-4700	Notebk Num.Pad, Beige	3.5" x 5.2"	21	4	4	0	PS/2		
G84-4701	Notebk Num.Pad, Gray	3.5" x 5.2"	21	4	4	0	PS/2		



### Cherry Electrical Products

Toll-Free: 800-510-1689

Phone: 262-942-6600

Fax: 262-942-6566

Web: www.cherrycorp.com

\*General specifications for information purposes only  
and may not apply to all Cherry keyboard products.  
Please consult the factory for further details.