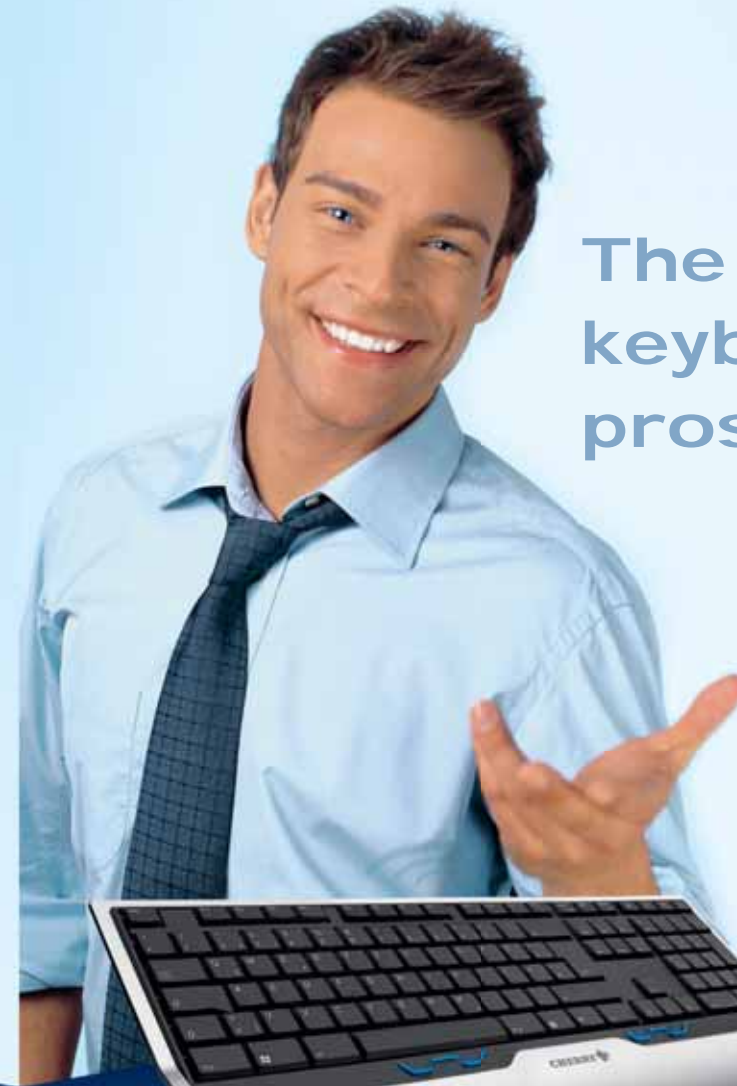Cherry GmbH
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*Throughout Germany, 12

The keyboard pros!

CHERRY®

CHERRY®

WELCOME

Benefit from the Cherry advantage: Nobody has more experience!

Cherry offers expertise built up over several decades of

development and manufacturing of computer input devices

for pros and end users. No other manufacturer in the world

has more experience!

A unique know-how head

start from which each

individual Cherry product

and thus also every

individual user benefits down

to the smallest detail.

For Cherry products stand

for world-class technology

and continue

to be developed

and manufactured,

now as before,

with a strong focus on uncompromising quality.

Our products guarantee reliability, long life and safety, all

presented in a bold puristic design. This is how we provide

functionality for the most demanding user requirements.

Get a one-click overview: www.cherry.de

- Direct access to all products, with technical specifications, highlights and features, model variants, and other information
- Service and download center
- Online shop
- Business solutions
- Press portal
- and much more

CONTENTS

PRODUCT FINDER

Product	Model	Page	Multimedia	Office Business	Public Sector	Industry	Health Care	Security	Point of Sale (POS)	19"	MX	FTSC	NTK	ML	ATK	SX	LPK	Combo (PS/2•USB)	PS/2	USB	RS232	Wireless transmission	Codeset 3 support	USB hub	Touchpad / Trackball	Programmable keys	Smart card reader	Magnetic card reader	Fingerprint sensor	Software	Other
eVolution MARLIN	M85-25800	10	●	●											●				●			●								●	Charging function, LASER, 2,4 GHz
eVolution STINGRAY	M85-25710	12	●												●				●			●								●	
eVolution BARRACUDA	M85-25700	13	●												●				●			●								●	
eVolution STREAM	G85-23000	14	●	●	●										●		●		●			●								●	
eVolution CONTROL	M82-24710	15	●													●			●			●								●	
eVolution SIRIUS	M85-24700	16	●													●			●			●								●	
Office XPress - designed for SAP-User	G86-21080	17		●											●		●														Software	
CyMotion Master XPress	G86-21050	18	●	●											●		●													●	Wrist rest
CyMotion Master Linux	G86-21070	18	●												●		●													●	Linux layout
CyMotion Expert	G86-22000	19	●	●	●										●		●													●	
CyMotion PRO keyboard	G85-20050	19	●												●		●													●	
Ergo Shark R	M-200R	20	●	●															●			●								●	Charging function, LASER, 2,4 GHz
Ergo Shark L	M-200L	21	●	●															●			●								●	Charging function, LASER, 2,4 GHz
Ergo Shark corded	M-100R	21	●	●													●													●	Switchable resolution – 800/1600 dpi
eVolution MOVER	M-200S	22	●	●		●													●			●								●	Charging function, LASER, 2,4 GHz
eVolution LIBERTY	M-6650	23	●														●													●	
eVolution TOUCH	M-5650	23	●	●													●														Illuminated mouse wheel
PRO Mouse wireless optical	M-8800	24	●	●															●			●								●	Charging function, 2,4 GHz
WheelMouse optical	M-5400/-5450	24		●	●	●											●														
TouchBoard	G80-11900	25		●	●			●	●	●									●	●	●			●		●					●	
Compact keyboard, ML	G84-4100	26		●		●	●	●	●						●				●					●							●	
Compact keyboard with trackball, ML	G84-4400	27		●		●		●	●						●				●	●				●	●	●					●	
Keypad, ML	G84-4700	27		●		●									●				●	●				●					●		●	
Compact keyboard, MX	G80-1800	28		●		●		●	●	●		●							●	●				●							●	
Standard keyboard, MX	G80-3000	29		●	●			●		●		●					●								●						●	
Keypad, MX	G80-3700	29		●		●				●		●							●					●					●		●	
Compact keyboard, FTSC	G81-1800	30		●		●		●	●		●		●						●	●												optionally without Windows keys
Standard keyboard, FTSC	G81-3000	31		●	●			●			●		●						●	●												optionally without Windows keys
Standard, NTK	G83-6000	32		●	●									●					●	●												
USB-Hub, NTK	G83-6504	33		●	●									●					●	●					●							
SmartBoard	G83-6700	34		●	●		●							●					●	●	●			●				●			●	ITSEC E2 high
SmartBoard	G83-6733	34		●			●							●					●	●								●			●	EMV-approved
SmartBoard	G83-6744	34		●	●	●	●							●					●	●								●			●	EMV-approved, Common Criteria EAL 3+
German health insurance card keyboard	G80-1502	36		●	●	●	●					●							●	●	●							●			●	ITSEC E2 low
SmartReader	SR-4044	36		●	●		●																					●			●	PCMCIA
SmartTerminal	ST-1044	37		●	●	●	●													●								●			●	EMV-approved
SmartTerminal	ST-2000	37		●	●		●													●								●			●	EMV-approved, Common Criteria EAL 3+
FingerTIP™ ID Board	G83-14200	38		●	●	●	●							●					●									●		●	●	
FingerTIP™ ID Board	G83-14300	38		●		●	●							●					●											●	●	
FingerTIP™ ID Board	G83-14400	38		●			●							●					●									●		●	●	
FingerTIP™ ID Board	G83-14500	38		●			●							●					●											●	●	
MultiBoard	G81-7000/-8000	40		●	●			●	●		●		●						●				●			●		●			●	Magnetic card reader, programmable
MultiBoard	G81-7040/-8040	41		●	●	●		●	●		●		●						●							●	●	●			●	Magnetic and smart card reader, programmable
MultiBoard	G80-8113	44			●			●		●		●							●						●	●		●	●		●	expanded layout, touchpad, programmable
MultiBoard	G80-8200	46			●			●		●		●							●							●					●	expanded layout, programmable
MultiBoard	G81-8308	47	●	●			●			●			●						●							●					●	24 programmable function keys
SPOS - alphanumeric key layout	G86-614xx	48			●			●	●						●					●							●		●		●	
SPOS - matrix key layout	G86-634xx	50			●			●	●						●					●							●		●		●	

We do precisely that which we do best: We build perfect keyboards

Links: Norbert Sporer, Director of Operation Europe
Rechts: Günter Murmann, Geschäftsführer Cherry GmbH

Global visions and values

Human beings and technology make a strong team.

High quality standards combined with the development of innovative products, an innate flexibility and reliable cooperation with our customers have turned Cherry into one of the world's largest and most successful manufacturers of data input devices.

As we seek to remain competitive while continuing to adhere to our own stringent quality requirements, the automation of our production processes is gaining steadily in importance.

Finely-tuned manufacturing facilities based on industrial robots, fully-automated assembly lines, integrated process control, and an almost total automation of inspection procedures have been central to Cherry's working practices for a number of years.

At the same time, we have consistently improved working conditions for our employees. For where competence and motivation meet, the best long-term quality and true innovation result.

Our management system (for quality and environmental protection) fulfills all requirements of DIN EN ISO9001:2000, TS16949, and ISO14001:2005.

Distinguished as the best factory in Europe with the Industrial Excellence Award 2005!

Once a year, the "Industrial Excellence Award" is presented to the best factory in Europe.

Scientists from the renowned universities WHU in Germany and INSEAD in France populate the jury. They are supported by the jurors and representatives of our media partners Wirtschaftswoche (Germany) and L´Usine Nouvelle (France).

In 2005, the winner and therefore the best factory in Europe, was Cherry, Auerbach/Opf.!

The key to our proud success is especially our consistently-implemented concept of a holistic production system on through to the incorporation of employees into all important decision-making processes.

The key criterion when it came to evaluating the participating industrial corporations was: "What does an excellent production management have to offer in order to guarantee a company a permanent competitive advantage?"

Activities were recorded along the entire production and logistics chain, whereby it is not just the operative unit itself, but also the entire supply chain from the supplier to the final customer that are evaluated.

Based on the data analyses of a survey, interviews, and on-site visits, Wirtschaftswoche developed a concept of the management quality of our production. Managers can implement this concept directly in concrete activities and programs and thus achieve a decisive competitive advantage.

The juries of the management school INSEAD in Fontainebleau near Paris and the Graduate School of Management in Vallendar near Koblenz were impressed by the determination, energy and inventiveness of our company.

This is a good reason why we can be just a little bit proud. However, a still better reason to remain true to our holistic philosophy in the future is so that you as partner and customer can continue to rely on world-class quality made by Cherry!

GLOBAL VISION

The Cherry Corporation develops innovative products that fulfill or exceed our customers' requirements. The delivery of products and customer service are on a world-class level. Complete customer satisfaction and a secure and healthy environment for our employees and our global society are our mission.

GLOBAL VALUES

Cherry's partners commit themselves to a global vision:

- Documentation, communication, and application of the global vision by all interested parties, including customers, suppliers, employees, investors.
- Specification and evaluation of measurable goals that advance our global vision and our global values.
- Constant improvement in everything that we do as a means of reducing costs, improving quality, and providing complete customer service, in each case with the goal of increasing the customer's benefit.
- Absolute adherence to all worldwide and locally-applicable health, safety, and environmental requirements and regulations with a focus on preventative environmental protection.
- Assurance of worldwide success through the advancement of open and active participation of all interested parties.

For us environmental protection is not an obligation ... it's a matter of course!

Many years ago, Cherry GmbH successfully established an integrated management system in accordance with the standards ISO 9001, ISO 14001 and TS16949 in the respective latest versions, and continues to develop this on a rigorous and ongoing basis.

These quality and environmental standards form the foundation of our corporate philosophy, and they are reflected in our global values.

Quality and environmental protection are not limited to system description; rather, they are anchored in our employees' heads and in their daily behavior.

Stringent process orientation enables us to fulfill or exceed the requirements and expectations of our customers, suppliers, investors, employees and the community at large.

Interested? Then simply visit our Web site at www.cherry.de for more information.

Fully-automated keyboard manufacture

Manufacture of keyboards on modern robot line

SMD insertion with automatic visual check

Feel the difference

Keyboard technologies

The most important characteristic of a computer keyboard is, now as before, the actuation force and travel – the key haptics.

Due primarily to its optimal key haptics, contact security, and the high quality of its keyboards, Cherry has maintained its position as market leader in Germany in the business and professional keyboards sector

for many years. Basically, there is a choice between several technologies for Cherry keyboards:

Keyboards with mechanical individual modules on circuit board (MX and ML); foil keyboards with rubber mats (NTK and ATK), hybrid technology (FTSC), scissors technology (SXT) and low profile technology (LPK).

MX technology

Key benefits

- Mechanical module with individual actuation types (linear, soft tactile feel, and click tactile feel)
- Low bounce times, high switch security, long-lasting reliability, and extremely long service life with sophisticated Gold Crosspoint contacts
- Long service life of individual keys > 50 million actuations
- Reliability (example: standard keyboard G80-3000):
  MCBF 1×10^9 actuations
  MTBF >80,000 hours
- Tireless work with comfortable key feel
- Contrast-rich and abrasion-proof keycap labeling

ML technology

Key benefits

- Mechanical module with soft tactile feel
- Low bounce times, high switch security, long-lasting reliability, and extremely long service life with sophisticated Gold Crosspoint contacts
- Ultra-low height (including keycaps less than 12mm)
- Long service life of individual keys > 20 million actuations
- Reliability (example: compact keyboard G84-4100):
  MCBF 1×10^9 actuations
  MTBF >90,000 hours
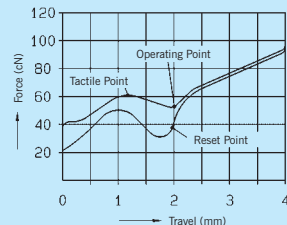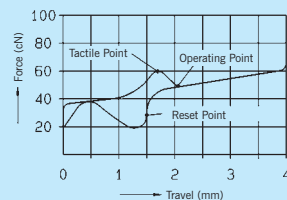- Contrast-rich, abrasion-proof keycap labeling

Keyword "Multihaptics" (ATK technology) for CyMotion keyboards

While on "normal" keyboards all keys must be pressed with the same force, the forces of the ATK technology have been divided into individual force segments with the "multihaptic technology". Up to 29 special keys, which make Cherry CyMotion Line keyboards very special, customized input tools in comparison with standard IBM keyboards, stand out from the standard keys because of their very special touch when struck. Certain special keys such as the KeyM@n key, which is located between the standard keys, and the <Caps Lock> key have a considerably higher resistance when struck in order to minimize the risk of inadvertent activation. The other CyMotion special keys, the IBM standard function keys F1 to F12 and the <ESC> key also have higher resistances to distinguish them from the rest of the keys.

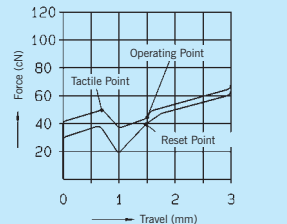*Force-displacement diagram, MX module linear*
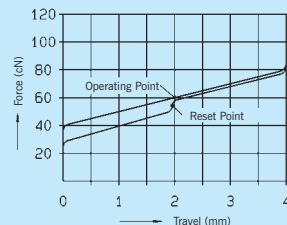
Force-displacement diagram, MX module soft tactile feel

Force-displacement diagram, MX module click tactile feel

Force-displacement diagram, ML module

FTSC technology

Key benefits

- Mechanical individual keys with membrane contact switches
- Robust system proven millions of times over
- Long service life and high reliability
- Long service life of individual keys > 50 million actuations
- Reliability (example: standard keyboard G81-3000):
  MCBF 1×10^9 actuations
  MTBF >80,000 hours
- Contrast-rich, abrasion-proof keycap labeling

NTK technology

Key benefits

- Elastomer keys with membrane contact switch
- Very long service life and reliability with system proven millions of times over
- Service life of the individual key
  Standard keys: >20 million actuations
  Special keys: >5 million actuations
- Reliability (example: Standard keyboard G83-6000):
  MCBF 1×10^9 actuations

ATK technology

Key benefits

- Elastomer keys with membrane contact switch
- Multi-haptic technology in CyMotion keyboards
- Very long service life and high reliability
- Service life of the individual key
  Standard keys: >20 million actuations
  Special keys: >5 million actuations
- Reliability (example: CyMotion Master XPress):
  MCBF 1×10^9 actuations

SX technology

Key benefits

- Individual keys with quadrant modules and membrane contact switches
- Very long service life and high reliability
- Very low construction height
- Service life of the individual key
  Standard keys: >10 million actuations
  Special keys: >1 million actuations
- Reliability (example: CyMotion PRO keyboard):
  MTBF > 150,000 hours

LPK technology

Key benefits

- Elastomer keys with membrane contact switch
- Full travel technology proven a million times over
- Flat design by special key shape
- Service life of the individual key
  Standard keys: >10 million actuations
  Special keys: >1 million actuations
- Contrast-rich, abrasion-proof keycap labeling
- Reliability (example: eVolution CONTROL):
  MTBF >150,000 hours

Force-displacement diagram, FTSC technology
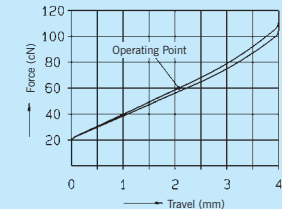
Force-displacement diagram, NTK technology
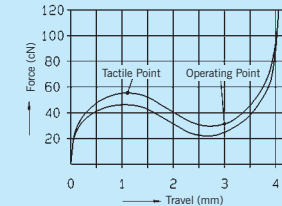
Force-displacement diagram, ATK technology, standard key
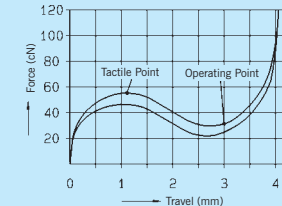
Force-displacement diagram, SX technology
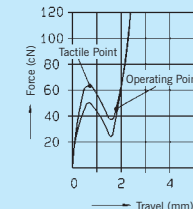
Force-displacement diagram, LP technology, standard key
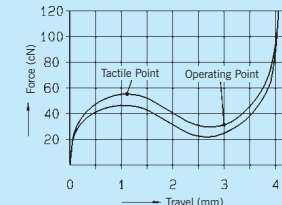
10 HotKeys

Ultra-flat MultiMedia keyboard with convenient, freely assignable hotkeys

SOFT

Ergonomic laser mouse for right handers with pleasant soft touch surface and Teflon sliding surfaces

eVolution

MARLIN
Wireless Laser MultiMedia-Desktop

Decoration for your PC

High-end design for people looking for that something

special. Extremely flat, stylish and elegant – with minimal

key height for added convenience and comfort with

standard keyboard layout. Absolutely interference-free

radio transmission and ultra-silent handling.

Whether in a sophisticated home office or for

an executive secretary – these keyboards allow

you to offer exacting customers stylish design

and no-compromise technology.

Ultra-flat, modern design with pleasant-to-touch keys

Multiple use + Ergo-laser-mouse

FACTS & FEATURES

- Multiple use – problem-free operation of several desktops due to pre-coding without channel setting required
- **Ergo-laser-mouse** for right-handed use with 7 freely programmable keys
  - mouse charging function via USB charger cable – incl. during use. Charging status displayed via illuminated scroll-wheel
  - accurate scanning of the surface for exact positioning of the cursor due to modern laser technology
  - pleasant soft-touch surface and Teflon sliding surfaces
- Latest wireless technology with 2.4 GHz for extremely large range (up to 10 m)
- Tap-proof due to coded data transmission
- Ultra-silent. Whisper keystroke for particularly low-noise use.
- 10 HotKeys. Simple, free allocation of HotKeys thanks to the accompanying KeyM@n Software (also under Linux).
- Ultra-flat, modern design with pleasant-to-touch keys
- Standard keyboard layout (incl. cursor and number block)
- Linux compatible

ERGO-SHARK R MOUSE

Can also be ordered individually. See page 20

TECHNICAL SPECIFICATIONS

Weight (incl. packaging)	**approx. 1770 g**
Dimensions	**approx. 453 x 191 x 16 (Keyboard)**
	approx. 131 x 80 x 46 (Mouse)
	approx. 70 x 20 x 12 (Receiver)
	approx. 530 x 252 x 80 (Packaging)
Current consumption	**max. 6 mA (Keyboard)**
	max. 10 mA (Mouse)
	typ. 30 mA (Receiver)
Connection	**USB**
Frequency range	**2.40 GHz – 2.48 GHz**
Transmission range	**approx. 10 m**
Mouse resolution	**800 dpi (laser)**
Manufacturer guarantee	**5 years**

Order code	Color	Number of keys
M85-25800xx	**silver/black**	**114/115**

eVolution MARLIN
M85-25800xx

eVolution
STINGRAY
Wireless MultiMedia-Desktop

Ultra-flat MultiMedia keyboard with convenient, freely assignable hotkeys

10 HotKeys

5-button radio mouse with pleasant soft touch surface

SOFT

eVolution
BARRACUDA
Wireless MultiMedia-Desktop

MultiMedia keyboard with ultra-flat buttons for pleasant, precise working as on a notebook

5-button radio mouse with pleasant soft touch surface

SOFT

---

10 freely assignable HotKeys + optical mouse

FACTS & FEATURES

- 10 HotKeys. Simple, free allocation of the HotKeys thanks to the accompanying KeyM@n Software (also under Linux)
- Ultra-flat, modern design with pleasant-to-touch keys
- Interference-free radio transmission
- Tap-proof thanks to coded data transmission
- Ultra-silent. Whisper keystroke for particularly low-noise use.
- **Optical 5-button mouse**
  - with 4-way scroll function – symmetrical design, suitable for right and left-handed use
  - soft-touch surface for pleasant handling
  - accurate and rapid surface scanning due to maintenance-free optical sensor with 800 dpi resolution
- Standard keyboard layout (incl. cursor and number block)
- Problem-free use with standard batteries (batteries included in delivery)
- Linux compatible

TECHNICAL SPECIFICATIONS

Weight (incl. packaging)	approx. 1770 g
Dimensions	approx. 453 x 191 x 16 (Keyboard)
	approx. 127 x 67 x 41 (Mouse)
	approx. 116 x 72 x 25 (Receiver)
	approx. 530 x 252 x 80 (Packaging)
Current consumption	max. 25 mA (Keyboard)
	max. 35 mA (Mouse)
	typ. 30 mA (Receiver)
Connection	USB
Frequency range	26.957 MHz – 27.283 MHz
Transmission range	approx. 2 m
Mouse resolution	800 dpi (optical)
Manufacturer guarantee	5 years

Order code	Color	Number of keys
M85-25710xx	silver/black	114/115

Plug & Play + optical mouse

FACTS & FEATURES

- Plug & Play. Requires no software installation or extensive installation procedure
- Ultra-flat, modern design with pleasant-to-touch keys
- Interference-free radio transmission
- **Optical 5-button mouse** (browser forward/back)
  - symmetrical design, suitable for right and left handed use
  - soft-touch surface for pleasant handling
  - accurate and rapid surface scanning due to maintenance-free optical sensor with 800 dpi resolution
- Tap-proof thanks to coded data transmission
- Ultra-silent. Whisper keystroke for particularly low-noise use.
- Standard keyboard layout (incl. cursor and number block)
- Problem-free use with standard batteries (batteries included in delivery)

TECHNICAL SPECIFICATIONS

Weight (incl. packaging)	approx. 1800 g
Dimensions	approx. 453 x 191 x 16 (Keyboard)
	approx. 127 x 67 x 41 (Mouse)
	approx. 116 x 72 x 25 (Receiver)
	approx. 530 x 252 x 80 (Packaging)
Current consumption	max. 25 mA (Keyboard)
	max. 35 mA (Mouse)
	typ. 30 mA (Receiver)
Connection	USB
Frequency range	26.957 MHz – 27.283 MHz
Transmission range	approx. 2 m
Mouse resolution	800 dpi (optical)
Manufacturer guarantee	5 years

Order code	Color	Number of keys
M85-25700xx	black	114/115

eVolution STINGRAY
M85-25710xx

eVolution BARRACUDA
M85-25700xx

Compatible with Windows Vista™

Compatible with Windows Vista™

eVolution
STREAM
Corded MultiMedia-Keyboard

eVolution
CONTROL
Wireless MultiMedia-Desktop

Precise working as on notebook with ultra-flat buttons

Immediately ready for use. No software installation required

MultiMedia keyboard with convenient, freely assignable hotkeys

10 HotKeys

5-button radio mouse with pleasant soft touch surface

SOFT

Plug & Play

FACTS & FEATURES

- Plug & Play. Requires no software installation or extensive installation procedure
- Ultra-silent. Whisper keystroke for particularly low-noise use.
- Ultra-flat, modern design with pleasant-to-touch keys
- Standard keyboard layout (incl. cursor and number block)
- 6 HotKeys for comfortable volume control and the most important Mediaplayer functions
- incl. adapter for PS/2 interface
- GS approval

TECHNICAL SPECIFICATIONS

Weight (incl. packaging)	approx. 1260 g
Dimensions	approx. 472 x 176 x 18 (Keyboard) approx. 485 x 255 x 63 (Packaging)
Current consumption	typ. 15 mA
Connection	USB (PS/2 with adapter)
Manufacturer guarantee	3 years

Order code	Color	Number of keys
G85-23000xx-0	grey	110/111
G85-23000xx-2	black	110/111

10 freely assignable HotKeys

FACTS & FEATURES

- 10 HotKeys. Simple, free allocation thanks to the accompanying KeyM@n-Software (also under Linux)
- Interference-free radio transmission
- Tap-proof thanks to coded data transmission
- **Optical 5-button mouse** with 4-way scroll function
  - symmetrical design, suitable for right and left-handed use
  - soft-touch surface for pleasant handling
  - accurate and rapid surface scanning due to maintenance-free optical sensor with 800 dpi resolution
- Standard keyboard layout (incl. cursor and number block)
- Problem-free use with standard batteries (batteries included in delivery)
- Linux compatible

TECHNICAL SPECIFICATIONS

Weight (incl. packaging)	approx. 1500 g
Dimensions	approx. 456 x 204 x 25 (Keyboard) approx. 127 x 67 x 41 (Mouse) approx. 116 x 72 x 25 (Receiver) approx. 530 x 252 x 80 (Packaging)
Current consumption	max. 25 mA (Keyboard) max. 35 mA (Mouse) typ. 30 mA (Receiver)
Connection	USB
Frequency range	26.957 MHz – 27.283 MHz
Transmission range	approx. 2 m
Mouse resolution	800 dpi (optical)
Manufacturer guarantee	3 years

Order code	Color	Number of keys
M82-24710xx	silver/black	114/115

eVolution STREAM
G85-23000xx-0 grey

eVolution STREAM
G85-23000xx-2 black

eVolution CONTROL
M82-24710xx

14

Compatible with Windows Vista™

Compatible with Windows Vista™

eVolution

SIRIUS
Wireless MultiMedia-Desktop

Immediately ready for use. No software installation required

5-button radio mouse with pleasant soft touch surface

Office XPress
designed for SAP-User

Saves up to 40% of your time

Individual assignment and labeling of the additional keys

Plug & Play

FACTS & FEATURES

- Plug & Play. Requires no software installation or extensive installation procedure
- Interference-free radio transmission
- Tap-proof thanks to coded data transmission
- **Optical 5-button mouse**
  (browser forward/back)
  - symmetrical design, suitable for right and left-handed use
  - soft-touch surface for pleasant handling
  - accurate and rapid surface scanning due to maintenance-free optical sensor with 800 dpi resolution
- Standard keyboard layout
  (including cursor and number block)
- Problem-free use with standard batteries (batteries included in delivery)

TECHNICAL SPECIFICATIONS

Weight (incl. packaging)	**approx. 1480 g**
Dimensions	**approx. 456 x 204 x 25 (Keyboard)**
	approx. 127 x 67 x 41 (Mouse)
	approx. 116 x 72 x 25 (Receiver)
	approx. 530 x 252 x 80 (Packaging)
Current consumption	**max. 25 mA (Keyboard)**
	max. 35 mA (Mouse)
	typ. 30 mA (Receiver)
Connection	**USB**
Frequency range	**26.957 MHz – 27.283 MHz**
Transmission range	**approx. 2 m**
Mouse resolution	**800 dpi (optical)**
Manufacturer guarantee	**3 years**

Order code	Color	Number of keys
M82-24700xx	**black**	**114/115**

eVolution SIRIUS
M82-24700xx

Die perfekte Keyboard für alle, die mit SAP-Systemen arbeiten!

FACTS & FEATURES

- Top performance by 10 freely programmable hotkeys for your most common SAP functions and transactions
- Up to 40% time saving and simple use for all SAP users
- Including KeyM@n software for convenient, individual programming of the hotkeys with the appropriate transactions and functions
- Simple, individual labeling of the additional keys with the practical insertable labels and the label design software (also included)
- 9 other additional keys with clever MultiMedia functions such as e-mail, volume, @-key and Internet Explorer
- Removable wrist rest with "clean up" position for more room on your desk

TECHNICAL SPECIFICATIONS

Weight (incl. packaging)	**approx. 1670 g**
Dimensions	**approx. 495 x 195 x 37 mm (Keyboard)**
	approx. 560 x 240 x 65 mm (Packaging)
Current consumption	**typ. 16 mA**
Connection	**USB**
Cable length	**approx. 1,80 m**
Manufacturer guarantee	**2 years**

Order code	Color	Number of keys
G86-21080xx	**silver/black**	**123/124**

Simple, individual labeling of the additional keys with the practical insertable labels and the label design software (also included)

CyMotion Master Office XPress
G86-21080xx

CyMotion Master
XPRESS
Corded MultiMedia-Keyboard

CyMotion
EXPERT
Corded MultiMedia-Keyboard

CyMotion
PRO
Corded MultiMedia-Keyboard

10 freely programmable side-mounted XPress keys

19 freely programmable keys for the Internet, multimedia and your own applications

Wrist-rest with "clean-up function"

Also available as a special Linux keyboard

Cabled keyboard with unique side-mounted XPress keys for individual programming!
Also as a special Linux keyboard for MultiMedia applications!

Extremely tough, even against dirt and liquid!

Elegante Keyboard in double-curved ergo design

FACTS & FEATURES

- 19 HotKeys for control of multimedia and Internet functions, plus 10 additional, side-mounted XPress keys, freely programmable for the most frequently-used functions
- Includes KeyM@n software for individual and easy key programming, e.g.
  – control of the mouse pointer with the cursor keys on the keyboard
  – switching of the decimal point in the numeric block between period and comma
  – switching of the NUM-Lock key as a currency key
  – @ key for easy writing of e-mails.
- Removable wrist rest with "clean-up position" for more space on your desk

Linux variant
- Special Linux key for opening the Linux main menu
- Includes KeyM@n software for the free programming of the HotKeys

  Software Version 1.0
  Operating systems: Suse, RedHat/Feudora, Debian, Mandrake
  Languages: English, German, French
  Desktop environment: KDE, GNOME

TECHNICAL SPECIFICATIONS

Cable length	approx. 1,80 m
Weight (incl. packaging)	approx. 1650 g
Dimensions	approx. 495 x 247 x 37 mm incl. wrist rest
Current consumption	typ. 16 mA
Connection	USB (PS/2 with adapter)
Manufacturer guarantee	2 years

Order code	Color
XPress: G86-21050xxAAAA	silver/black
Linux: G86-21070xxAAAC	silver/black

CyMotion Master Linux
G86-21070xx

FACTS & FEATURES

- Extremely robust with a long life span
- Impervious to dirt and liquid.
- Compact, ergonomic design
- 8 HotKeys, KeyM@n key and double programming of the F keys for control of multimedia and Internet functions
- Long-life accuracy of keyboard strokes

TECHNICAL SPECIFICATIONS

Cable length	approx. 1,80 m
Weight (incl. packaging)	approx. 1200 g
Dimensions	462 x 175 x 36 mm
Current consumption	typ. 16 mA
Manufacturer guarantee	2 years

Order code	Color	Connection
G86-22000xxAEAB	light grey	USB (PS/2 with adapter)
G86-22000xxADAB	black	USB (PS/2 with adapter)
G86-22000xxAHAB	granite	USB (PS/2 with adapter)
G86-22200xxAEAA	light grey	PS/2
G86-22200xxADAA	black	PS/2

CyMotion Expert black
G86-22000xxADAB

FACTS & FEATURES

- Extremely flat and double-curved for a relaxed writing posture and easy access to the rows of keys
- Recognized several times over with the most prestigious international design prizes. Recognized with the coveted iF award. Nominated for the German Design Prize 2006!
- Space-saving, compact design
- Standard key size for maximum input comfort
- 15 HotKeys for control of multimedia, Internet and Office functions
- Incl. Cherry KeyM@n-Software for the free programming of the HotKeys
- Separate @-key for comfortable writing of e-mails Control of mouse pointer with the cursor keys
- Connection and disconnection during operation with USB connector
- Adapter for PS/2 interface

TECHNICAL SPECIFICATIONS

Weight (incl. packaging)	approx. 740 g
Dimensions	360 x 155 x 30 mm
Cable length	approx. 1,80 m
Current consumption	typ. 20 mA
Connection	USB (PS/2 with adapter)
Manufacturer guarantee	2 years

Order code	Color	Number of keys
G85-20050xxAABA	silver/black	98

Warning - might bite!

With these high-performance mice the benefits are

obvious: top ergonomic design and high-precision laser

technology for absolutely effective no-compromise

working. For right-handed use and also specially for

left-handed use. These mice ensure more action at your

desk not only due to their dynamic Ergo design. With

high-end laser technology and up to 7 buttons they

offer pure performance!

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eVolution
ERGO-SHARK R
Wireless Right-hand laser Mouse

eVolution
ERGO-SHARK L
Wireless Left-hand laser Mouse

eVolution
ERGO-SHARK
Right-hand laser Mouse - corded

Special right hand Ergo Design

FACTS & FEATURES

- Designed for right-handed use
  Adapted to suit the requirements of right-handed use
- Charging function of the mouse via USB charger cable - incl. during use. Charging status displayed via illuminated scroll-wheel
- Multiple use - problem-free operation of several mice with no channel setting required
- Exact and rapid positioning of the cursor thanks to modern laser scanning
- Latest wireless technology with 2.4 GHz for extremely large range (up to 10 m)
- High-end Teflon sliding surfaces for easy movement of the mouse
- Soft-touch surface for pleasant handling
- 7 buttons, all freely programmable thanks to easy-to-use KeyM@n-Software
- 4-way scroll function
- Ready for immediate use thanks to pre-charged batteries
- Activator/deactivator switch for transportation purposes

TECHNICAL SPECIFICATIONS

Number of keys	**7 buttons**
Weight (incl. packaging)	**approx. 500 g**
Dimensions	**approx. 131 x 80 x 46**
Transmission range	**10 m**
Resolution	**800 dpi (laser)**
Frequency range	**2,4 GHz**
Connection	**USB**
Manufacturer guarantee	**5 years**

Order code	Color
M-200R	**silver/black**

Compatible with Windows Vista™

Special left hand Ergo Design

FACTS & FEATURES

- Designed for left-handed use
  Adapted to suit the requirements of left-handed use
- Charging function of the mouse via USB charger cable - incl. during use. Charging status displayed via illuminated scroll-wheel
- Multiple use - problem-free operation of several mice with no channel setting required
- Exact and rapid positioning of the cursor thanks to modern laser scanning
- Latest wireless technology with 2.4 GHz for extremely large range (up to 10 m)
- High-end Teflon sliding surfaces for easy movement of the mouse
- Soft-touch surface for pleasant handling
- 7 buttons, all freely programmable thanks to easy-to-use KeyM@n-Software
- 4-way scroll function
- Ready for immediate use thanks to pre-charged batteries
- Activator/deactivator switch for transportation purposes

TECHNICAL SPECIFICATIONS

Number of keys	**7 buttons**
Weight (incl. packaging)	**approx. 500 g**
Dimensions	**approx. 131 x 80 x 46**
Transmission range	**10 m**
Resolution	**800 dpi (laser)**
Frequency range	**2,4 GHz**
Connection	**USB**
Manufacturer guarantee	**5 years**

Order code	Color
M-200L	**silver/black**

Compatible with Windows Vista™

Perfect Resolution Mode

FACTS & FEATURES

- Optimal precision thanks to built-in switch for simple resolution switch between 800 dpi and 1600 dpi
- Exact and rapid positioning of the cursor thanks to the latest laser scanning
- High-end Teflon sliding surfaces for easy movement of the mouse
- Soft-touch surface for pleasant handling
- Designed for right-handed use
  Adapted to suit the requirements of right-handed use
- 4-way scroll function
- 7 buttons, all freely programmable thanks to easy-to-use KeyM@n-Software
- Quick and rapid data transfer
- 1.8 m cable with USB connection, incl. PS/2 adapter
- Scroll wheel which lights up blue

TECHNICAL SPECIFICATIONS

Number of keys	**7 buttons**
Weight (incl. packaging)	**approx. 470 g**
Dimensions	**approx. 131 x 80 x 46**
Cable length	**1,80 m**
Resolution	**800/1600 dpi (laser)**
Connection	**USB (PS/2 with adapter)**
Manufacturer guarantee	**5 years**

Order code	Color
M-100R	**silver/black**

Compatible with Windows Vista™

It's a pity to have to let them go again

The days when mice only had to just work are over.

Top precision, clever detail features and maximum

reliability are attributes which should be obvious.

When users are clearly delighted by the design and

haptic, it must be a real Cherry product – just like

these symmetrical mice from Cherry with an elegant

soft touch surface.

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eVolution
MOVER
Wireless Laser Mouse

Laser for professional Precision!

FACTS & FEATURES

- Multiple use – problem-free operation of several mice without channel setting required
- Charging function of the mouse via USB charger cable – incl. during use. Charging status displayed via illuminated scroll-wheel
- Exact and rapid positioning of the cursor due to modern laser scanning
- Latest wireless technology with 2.4 GHz for extremely large range (up to 10 m)
- High-end Teflon sliding surfaces to allow easy movement of the mouse
- Soft-touch surface for pleasant handling
- Symmetrical design, suitable for right and left-handed use
- 5 buttons, all freely programmable thanks to easy-to-use KeyM@n-Software
- 4-way scroll function
- Ready for immediate use thanks to pre-charged batteries
- Activator/deactivator switch for transportation purposes

TECHNICAL SPECIFICATIONS

Number of keys	**5 buttons**
Weight (incl. packaging)	**approx. 490 g**
Dimensions	**approx. 127 x 67 x 41**
Transmission range	**10 m**
Resolution	**800 dpi**
Frequency range	**2,4 GHz**
Connection	**USB**
Manufacturer guarantee	**5 years**

Order code	Color
M-200S	**silver/black**

CE FC V PC c(UL)us LISTED

Compatible with Windows Vista™

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eVolution
LIBERTY
Wireless Optical Mouse

Soft-touch feeling

FACTS & FEATURES

- Soft-touch surface for pleasant handling
- Wireless freedom of up to 2 m with interference-free data transfer
- Accurate and quick thanks to optical sensor with 800 dpi resolution
- 5 buttons (e.g. browser forward/back)
- Extended function available for free allocation of keys and 4-way-scrolling with KeyM@n-software Free software download via www.cherry.de
- Symmetrical design suitable for right and left-handed use
- Plug & Play – works without software installation
- Problem-free use with standard batteries (batteries included in delivery)

TECHNICAL SPECIFICATIONS

Number of keys	**5 buttons**
Weight (incl. packaging)	**approx. 560 g**
Dimensions	**approx. 127 x 67 x 41**
Transmission range	**approx. 2 m**
Resolution	**800 dpi**
Frequency range	**27 MHz**
Connection	**USB (PS/2 with adapter)**
Manufacturer guarantee	**3 years**

Order code	Color
M-6650	**black**

CE FC V PC c(UL)us LISTED

Compatible with Windows Vista™

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eVolution
TOUCH
Corded Optical Mouse

Soft-touch-Feeling

FACTS & FEATURES

- Soft-touch surface for pleasant handling
- Accurate and quick thanks to optical sensor with 800 dpi resolution
- 5 buttons (e.g. browser forward/back)
- Extended function available for free allocation of keys and 4-way-scrolling with KeyM@n-software
- Free software download via www.cherry.de
- Symmetrical design suitable for right and left-handed use
- Plug & Play – works without software installation
- Quick and secure data transfer
- 1.8 m cable with USB connection, incl. USB-PS/2-Adapter
- Scroll wheel which lights up blue

TECHNICAL SPECIFICATIONS

Number of keys	**5 buttons**
Weight (incl. packaging)	**approx. 430 g**
Dimensions	**approx. 127 x 67 x 41**
Transmission range	**approx. 1,80 m**
Resolution	**800 dpi**
Connection	**USB (PS/2 with adapter)**
Manufacturer guarantee	**3 years**

Order code	Color
M-5650	**black**

CE FC V PC c(UL)us LISTED

Compatible with Windows Vista™

CyMotion
PRO MOUSE
Wireless Mouse

7-button wireless mouse in award-winning PRO design!

FACTS & FEATURES

- Multiple use – problem-free operation of several mice without channel setting required
- Charging function of the mouse via USB charger cable – incl. during use
- Accurate and quick thanks to optical sensor with 800 dpi resolution
- Latest wireless technology with 2.4 GHz for extremely large range (up to 20 m, adjustable in 4 stages)
- Soft-touch surface for pleasant handling
- Symmetrical design, suitable for right and left-handed use
- 7 buttons, all freely programmable thanks to easy-to-use KeyM@n-Software
- Ready for immediate use thanks to pre-charged batteries
- Activator/deactivator switch for transportation purposes

TECHNICAL SPECIFICATIONS

Number of keys	7 buttons
Weight (incl. packaging)	approx. 300 g
Dimensions	115 x 65 x 35 mm
Transmission range	20 m
Resolution	800 dpi
Connection	USB
Frequency range	2,4 GHz
Connection	USB
Manufacturer guarantee	2 years

Order code	Color
M-8800	silver/black

M-5400/-5450
WheelMouse optical

Plug & Play

FACTS & FEATURES

- Accurate and quick thanks to optical sensor with 800 dpi resolution
- PC- and MAC-compatible due to USB interface
- Easy scrolling with the PowerWheel
- Symmetrical design, suitable for right and left-handed use
- Plug & Play – works without software installation
- Quick and secure data transfer
- 1.8 m cable with USB connection, incl. USB-PS/2-Adapter

TECHNICAL SPECIFICATIONS

Number of keys	3 buttons
Weight (incl. packaging)	approx. 355 g
Dimensions	approx. 121 x 63 x 38
Cable length	approx. 1,80 m
Resolution	800 dpi
Connection	USB (PS/2 with adapter)
Manufacturer guarantee	2 years

Order code	Color
M-5400-R	light grey
M-5450-R	black

Mouse-free working in confined spaces

If space is lacking but you still do not want to do without perfect functionality, you need creative solutions which offer both. The ideal application area for the Cherry Touchboard because this optimally combines minimum size and maximum reliability. The integrated touchpad is extremely simple to handle and the MX technology is almost indestructible even under difficult operating conditions.

TOUCHBOARD
G80-11900

Compact keyboard with integrated touchpad and expanded layout!

FACTS & FEATURES

- Mechanical individual keys with Gold Crosspoint contacts (Cherry MX-Technologie)
- Designed for continuous use – more than 50 million presses per key
- Space-saving and ergonomic
- Integrated touchpad plus 2 mouse buttons
- Ideal for 19" applications
- Can be used with standard operating system drivers
- Programmable buttons (USB version)

TECHNICAL SPECIFICATIONS

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 1200 g
Dimensions	415 x 193 x 37 mm
Current consumption	PS/2: typ. 35 mA/Keyboard typ. 3 mA/Touchpad USB: max. 100 mA
Number of keys	104/105
Touchpad	Resolution: 1000 dpi 2 mouse buttons
Manufacturer guarantee	2 years

G80-11900 black

Order code	Color	Connection Keyboard	Connection Touchpad
G80-11900LPMxx-0	light grey	PS/2	PS/2
G80-11900LPMxx-2	black	PS/2	PS/2
G80-11900LTMxx-0	light grey	PS/2 or DIN (AT)	PS/2 or RS232
G80-11900LTMxx-2	black	PS/2 or DIN (AT)	PS/2 or RS232
G80-11900LUMxx-0	light grey	USB	–
G80-11900LUMxx-2	black	USB	–

Especially for space-saving applications

These compact keyboards and input devices are used

everywhere where small size and low weight play

a decisive role.

When it comes to reliability, robustness, and

functionality, you don't have to make any compromises!

COMPACT
G84-4100

Perfection can take up so little space!

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (ML technology)
- Designed for continuous use – more than 20 million presses per key
- High reliability and uniquely precise tactile keying
- Minimal space requirement
- Especially light
- 83 or 86 keys with all functions of a standard keyboard
- Can be used with standard operating system drivers
- Ideal for 19" applications and mobile use

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 500 g
Dimensions	282 x 132 x 27 mm
Current consumption	USB: typ. 37 mA
	PS2: typ. 8 mA
Manufacturer guarantee	2 years

Order code	Color	Number of keys	Connection
G84-4100LCMxx-0	light grey	86	USB (PS/2 via adapter)
G84-4100LCMxx-2	black	86	USB (PS/2 via adapter)
G84-4100LPMxx-0	light grey	86	PS/2
G84-4100LPMxx-2	black	86	PS/2
G84-4100LCAxx-0	light grey	83	USB (PS/2 via adapter)
G84-4100LCAxx-2	black	83	USB (PS/2 via adapter)
G84-4100LPAxx-0	light grey	83	PS/2
G84-4100LPAxx-2	black	83	PS/2

G84-4100 black

Compatible with Windows Vista™

ULTRASLIM
TRACKBALL
G84-4400

High performance in every detail!

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (ML technology)
- Designed for continuous use – more than 20 million presses per key
- High reliability and uniquely precise tactile keying
- Integrated 16 mm trackball plus 2 mouse keys
- Very flat - total height only 19.6 mm
- Low weight
- Can be used with standard operating system drivers
- Ideal for tight spaces and for 19" applications

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 700 g
Dimensions	370 x 139 x 20 mm
Current consumption	USB: typ. 36 mA
	PS/2: typ. 24 mA (keyboard)
	typ. 11 mA (trackball)
Manufacturer guarantee	2 years

Order code	Color	Connection
G84-4400LUBxx-0	light grey	USB
G84-4400LUBxx-2	black	USB
G84-4400LPBxx-0	light grey	PS/2
G84-4400LPBxx-2	black	PS/2

G84-4400 black

Compatible with Windows Vista™

KEYPAD
G84-4700

With four inscribable function keys!

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (ML technology)
- Designed for continuous use – more than 20 million presses per key
- Numeric number block with 21 keys, incl. four individually-inscribable function keys
- High reliability and uniquely precise tactile keying
- Programming of alternative key codes e.g. [.], [,], [00], [000]
- Suitable for left and right-handed use
- Additional programming of software macros by means of efficient configuration software 'Cherry Tools'
- Can be used with standard operating system drivers

PS/2 variants

- 20 keys physically programmable (internal memory)
- External standard keyboard, which can be connected to integrated PS/2 plug

PS/2 connection scheme

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 260 g
Dimensions	90 x 132 x 34 mm
Current consumption	typ. 5 mA
Manufacturer guarantee	2 years

Order code	Color	Connection
G84-4700LPBxx-0	light grey	PS/2
G84-4700LPBxx-2	black	PS/2
G84-4700LUCxx-0	light grey	USB
G84-4700LUCxx-2	black	USB

G84-4700 black

Compatible with Windows Vista™

Unique
precise feel

High-performance input devices in standard format,

compact keyboard or numeric keypad.

Regardless of which version you decide upon, with

our MX technology, which has proved itself millions

of times over, you will profit from unique, reliable,

long lasting typing performance. In addition, you can

choose from three different actuation types:

Linear, Soft and click tactile feel (for more detailed

information about MX Technology, see page 8).

COMPACT
G80-1800

Small dimensions and top performance

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (MX technology)
- Perfect key feel
- High-performance and compact 19 PC keyboard space-saving and ergonomic
- High-quality keyboard for excellent writing performance, living up to the most demanding user requirements
- Extremely long life span of individual keys

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 1190 g
Dimensions	405 x 180 x 44 mm
Current consumption	typ. 16 mA
Number of keys	104/105
Manufacturer guarantee	2 years

Order code	Color	Connection
G80-1800LPMxx-0	light grey	PS/2
G80-1800LPCxx-0*	light grey	USB (PS/2 via adapter)

*available from January 2007

STANDARD
G80-3000

After many years; still accurate and reliable

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (MX technology)
- Perfect key feel
- High-quality keyboard for excellent writing performance, living up to the most demanding user requirements
- Extremely long life span of individual keys
- Three different actuation types: linear, soft or click operations

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 1400 g
Dimensions	470 x 195 x 44 mm
Current consumption	typ. 16 mA
Number of keys	104/105
Manufacturer guarantee	2 years

Order code	Color	Connection	Actuation Types
G80-3000LPCxx-0	light grey	USB*	Linear
G80-3000LPCxx-2	black	USB*	Linear
G80-3000LQCxx-0	light grey	USB*	Soft
G80-3000LQCxx-2	black	USB*	Soft
G80-3000LSCxx-0	light grey	USB*	Click
G80-3000LSCxx-2	black	USB*	Click

* PS/2 via adapter

KEYPAD
G80-3700

Freely-programmable keys

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (MX technology)
- Perfect key feel
- Freely-programmable number block with four additional individually-inscribable function keys
- Suitable for left and right-handed use
- All keys can be user-defined with up to 24 characters per key
- External standard PS/2 keyboard can be connected

Connection scheme

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 460 g
Dimensions	108 x 195 x 44 mm
Current consumption	approx. 50 mA
Number of keys	21
Manufacturer guarantee	2 years

Order code	Color	Connection	Actuation Types
G80-3700LQAxx-0	light grey	PS/2	Linear

Compatible with Windows Vista™   Compatible with Windows Vista™   Compatible with Windows Vista™

Key player
in the office

High-quality keyboards for professional users.

Especially robust and reliable thanks to FTSC

technology (mechanical individual keys with

membrane contact switches).

For more detailed information about FTSC

technology, see page 9.

COMPACT
G81-1800

STANDARD
G81-3000

Extremely robust for more than
50 million presses of the individual keys

Timeless, classic design and
high quality workmanship

Standard layout and simple installation
without software

Only 19" – for quality isn't a question of size!

FACTS & FEATURES

- Mechanical individual keys with membrane contact switches (FTSC technology)
- High-performance and compact 19" PC keyboard space-saving and ergonomic
- Codeset 3 support e.g. for Unix computer (PS/2 version)
- Robust and reliable
- High-quality keyboard for professional users
- Also available without "Windows® keys" (101/102 keys)

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 1590 g
Dimensions	405 x 180 x 44 mm
Current consumption	typ. 16 mA
Manufacturer guarantee	2 years

Order code	Color	Connection	Number of keys
G81-1800LAAxx-0	light grey	DIN	101/102
G81-1800LAMxx-0	light grey	DIN	104/105
G81-1800LPAxx-0	light grey	PS/2	101/102
G81-1800LPMxx-0	light grey	PS/2	104/105
G81-1800LPMxx-2	black	PS/2	104/105
G81-1800LUMxx-0	light grey	USB	104/105
G81-1800LUMxx-2	black	USB	104/105
G81-1860LAMxx-0	light grey	DIN	104/105*

* switchable to XT

G81-1800 black

An "expert" you can rely on!

FACTS & FEATURES

- Mechanical individual keys with membrane contact switches (FTSC technology)
- Robust and reliable
- High-quality keyboard for professional users
- Timeless design
- Also available without "Windows® keys" (101/102 keys)

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 1620 g
Dimensions	470 x 195 x 44 mm
Current consumption	typ. 16 mA
Manufacturer guarantee	2 years

Order code	Color	Connection	Number of keys
G81-3000LPDxx-0	light grey	PS/2	101/102
G81-3000LRNxx-0	light grey	PS/2	104/105
G81-3000LRNxx-2	black	PS/2	104/105
G81-3000LUNxx-0	light grey	USB	104/105
G81-3000LUNxx-2	black	USB	104/105

G81-3000 black

Compatible with Windows Vista™

Compatible with Windows Vista™

STANDARD
G83-6000

USB-HUB
G83-6504

Integrated USB hub with four down-stream ports for convenient connection of USB devices to the keyboard

Long life quality: more than 20 million precise keystrokes

Standard layout and simple installation without software

Proven millions of times over!

With the G83-6000, you will find precisely the version you need and always with the reliable technology and impressive robustness from the globally unique Cherry competence. There's a reason why this keyboard has been one of the most reliable and successful on the market for many years, with more than 30 million satisfied users.

FACTS & FEATURES

- Space-saving, compact design
- Recyclable, with long life span
- Uniform switching characteristics
- Comfortable actuation
- Abrasion-proof inscription of key caps
- Also available as Linux model

TECHNICAL SPECIFICATION

black

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 1140 g
Dimensions	458 x 170 x 42 mm
Current consumption	typ. 16 mA
Manufacturer guarantee	2 years

■ PS/2 VERSIONS

Order code	Color	Number of keys
G83-6104LRNxx-0	light grey	104
G83-6104LRNxx-2	black	104
G83-6105LRPxx-0	light grey	105
G83-6105LRNxx-2	black	105

■ USB VERSIONS

Order code	Color	Number of keys
G83-6104LUNxx-0	light grey	104
G83-6104LUNxx-2	black	104
G83-6105LUNxx-0	light grey	105
G83-6105LUNxx-2	black	105

■ LINUX VERSION

Order code	Color	Connection
G83-6188LPNxx-0	light grey	PS/2

FACTS & FEATURES

- Integrated USB hub with four downstream ports for easy and comfortable connection of USB devices (plug and play)
- Space-saving, compact design
- Recyclable, with long life span
- Uniform switching characteristics
- Comfortable actuation
- Abrasion-proof inscription of key caps

G83-6504 black

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 1350 g
Dimensions	458 x 195 x 42 mm
Current consumption	max. 500 mA
Current output	max. 100 mA per downstream port
Transmission speed	max. 12 Mbit/s
Connection	USB
Manufacturer guarantee	2 years

Order code	Color	Number of keys
G83-6504LADxx-0	light grey	104/105
G83-6504LADxx-2	black	104/105

Compatible with Windows Vista™   Compatible with Windows Vista™

SMARTBOARD
G83-6700
G83-6733
G83-6744

Secure PIN entry through integrated Class 2 reader

Certified to a high security standard

EMV certification for payment transactions with Europay, MasterCard, and VISA

EMV CERTIFIED

also in light gray

In <u>three</u> different smart card reader models!

Security is custom-tailored!

Technology proven thousands of times over as reliable, selectable according to your requirements.

With the Cherry MultiBoards this philosophy has been self-evident for a long time. For in the end, only you decide which solution will fit your needs best.

Welcome to the unlimited world of possibilities!

Completely secure and reliable!

FACTS & FEATURES G83-6700

- PS/2 keyboard with serial smart card reader
- ITSEC E2 high-certified for electronic signatures
- Secure PIN entry (class 2 reader)
- PC/SC smart card reader
- CT Api and B1 support
- T=0 and T=1 protocols

Compatible with Windows Vista™

FACTS & FEATURES G83-6733

- USB keyboard with smart card reader
- Secure PIN entry (class 2 reader)
- EMC Level 1-approved
- PC/SC smart card reader
- T=0 and T=1 protocols
- GemCore technology

gemalto
security to be free

Compatible with Windows Vista™

FACTS & FEATURES G83-6744

- USB keyboard with smart card reader
- Secure PIN entry (class 2 reader)
- EMC 2000 terminal Level 1-approved
- PC/SC smart card reader
- Common Criteria EAL 3+ certified for electronic signatures
- T=0 and T=1, S=8, S=9 and S=10 protocols
- CCID-compatible

O.K OMNIKEY

Compatible with Windows Vista™

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 1500 g
Dimensions	458 x 195 x 54 mm
Current consumption	approx. 100 mA
Connection	USB
Read cycles (smart card reader)	approx. 100.000
Manufacturer guarantee	2 years

Order code	Color	Connection	Other
G83-6700LQBxx-0	light grey	PS/2+RS232	
G83-6700LQBxx-2	black	PS/2+RS232	
G83-6700LQZxx-0	light grey	PS/2+RS232	certified
G83-6733LUBxx-0	light grey	USB	
G83-6733LUBxx-2	black	USB	
G83-6744LUAxx-0	light grey	USB	
G83-6744LUAxx-2	black	USB	
G83-6744LUZxx-0	light grey	USB	certified
G83-6744LUZxx-2	black	USB	certified

G83-6700 light grey

GERMAN HEALTH INSURANCE CARD
KVK KEYBOARD
G80-1502

SMARTREADER
SR-4044

SMARTTERMINAL
ST-1044U

SMARTTERMINAL
ST-2000U

Smart card reader, approved for the German health insurance card!

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (MX technology)
- Smart card reader approved for use with German health insurance cards and other smart cards
- PC/SC and MKT1.0, serial/PS/2-compatible
- Secure PIN entry (class 2 reader)
- Support of the PC/SC 1.0 standard
- Reading/writing of ISO 7816-compatible smart cards
- Protocols: T=0, T=1, S=8, S=9 and S=10
- ITSEC E2 low-certified
- Fully-compatible with predecessor keyboard G80-1501

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 1600 g
Dimensions	470 x 220 x 64 mm
Current consumption	approx. 100 mA
Read cycles (smart card reader)	approx. 200.000
Manufacturer guarantee	2 years

Order code	Color	Connection	Other
G80-1502LQEDE-0	light grey	PS/2 RS232	certified
G80-1502LQEDE-2	black	PS/2 RS232	certified

G80-1502 black

Compatible with Windows Vista™

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For more security on the road

FACTS & FEATURES

- PCMCIA smart card reader for notebooks (PC card type II)
- Corresponds to all current standards
- PC/SC smart card reader
- CT-Api and OCF support
- EMC 2000 terminal Level 1-approved

TECHNICAL SPECIFICATION

Protocols	T=0, T=1 I^2C (S=8) 2-wire SLE4432/42 (S=10) 3-wire SLE4418/28 (S=9)
Smart Card Speed	up to 412.903 bps
Pulse frequency	up to 8 MHz
Interface	PCMCIA with 16 Mbps
Card current	max. 60 mA
Manufacturer guarantee	2 years

Order code	Color	Connection
SR-4044	silver	PCMCIA

Compatible with Windows Vista™

Securely-conceived ... cleverly made!

FACTS & FEATURES

- High-quality smart card reader with USB connection
- Card Man 3121-compatible
- USB 2.0-compatible
- "One-hand operation" with high weight and stable stand
- PC/SC smart card reader
- CT-Api support
- T=0, T=1, S=8, S=9 and S=10 protocols
- CCID-compatible
- EMC 2000 terminal Level 1-approved

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 350 g
Dimensions	75 x 51 x 55 mm
Current consumption	approx. 100 mA
Read cycles (smart card reader)	approx. 100.000
Manufacturer guarantee	2 years

Order code	Color	Connection
ST-1044UB	light grey / black	USB

Compatible with Windows Vista™

The new generation

FACTS & FEATURES

- High-quality smart card reader with USB connection
- "One-hand operation" with high weight and stable stand
- PC/SC smart card reader
- CT-Api support
- Protocols T=0, T=1, S=8, S=9 and S=10
- PIN-Pad
- CCID-compatible
- EMC 2000 terminal Level 1-approved

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 550 g
Dimensions	150 x 92 x 55 mm
Current consumption	approx. 100 mA
Read cycles (smart card reader)	approx. 100.000
Manufacturer guarantee	2 years

Order code	Color	Connection	Other
ST-2000UCZ-R	light grey	USB	certified
ST-2000UC-R	light grey	USB	

Compatible with Windows Vista™

37

FINGERTIP™ ID BOARD

G83-14200
G83-14300
G83-14400
G83-14500

Capacitive fingerprint sensor

PC/SC-smart card reader

Here you have security perfectly in hand.

Forget numeric codes and passwords.

The human fingerprint is unique and thus one

of the most secure identification characteristics

overall. With this Cherry card reader and biometric

keyboard and the Fingertip mouse, you use the

most modern biometric technology in order to

protect your data against unauthorized access and

to distribute access rights purposefully without risk.

Fingerprint biometry for every application

FACTS & FEATURES G83-14200/14300

- USB keyboard with fingerprint sensor and optional PS/SC smart card reader
- Capacitative fingerprint sensor by AuthenTec with True Print® technology
- PC/SC smart card reader CardMan 3121-compatible (only with G83-14200)

FACTS & FEATURES G83-14400/14500

- USB keyboard with fingerprint sensor and optional PS/SC smart card reader
- Capacitative fingerprint sensor TCS1CD by UPEK (ST-Micro) with TouchChip® technology 256 x 360 pixels
- PC/SC smart card reader CardMan 3121-compatible (only with G83-14400)

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	approx. 1500 g
Dimensions	458 x 195 x 54 mm
Current consumption	approx. 100 mA
Read cycles (smart card reader)	approx. 100.000
Connection	USB
Manufacturer guarantee	2 years

Order code	Color	smart card reader	Software (see Page 54)
G83-14201LPAxx-0	light grey	Yes	Demo
G83-14201LPAxx-2	black	Yes	Demo
G83-14301LPAxx-0	light grey	No	Demo
G83-14301LPAxx-2	black	No	Demo
G83-14401LPAxx-0	light grey	Yes	Protector Suite OEM
G83-14401LPAxx-2	black	Yes	Protector Suite OEM
G83-14501LPAxx-0	light grey	No	Protector Suite OEM
G83-14501LPAxx-2	black	No	Protector Suite OEM

G83-14300 light grey

G83-14400 black

UPEK®

AuthenTec. Inc.

You will find applications under
www.cherry.de/deutsch/Partner/Partner_Solution.htm

Compatible with Windows Vista™

MULTIBOARD
G81-7000

MULTIBOARD
G81-8000

Programmable magnetic card reader

43 programmable keys

With the right technology, you always have good cards!

When it comes to the secure processing of personal data, there can be no compromises. Precisely for this reason, our engineers have developed these USB keyboards with high-end smart card readers.

Strong performance, high reliability, and perfect handling in practice ... With Cherry's globally-unique competence, security can be this easy!

Multifunctional keyboard with integrated magnetic card reader. For commercial use and for all applications that require a versatile, robust keyboard.

FACTS & FEATURES G81-7000/-8000

Available as standard or compact version

- Mechanical individual keys (Cherry FTSC technology)
- Designed for continuous use – more than 50 million presses per key
- Programmable magnetic card reader
- 43 programmable keys
- OPOS and JavaPOS for Windows® and Linux (see page 55)
- Supports client-server architectures
- Efficient configuration with professional "Cherry-Tools" software (see page 54)
- G81-7000 as space-saving variant - only 405 mm wide

PS/2 keyboard
- Integrated memory
- Optional programmable barcode decoder

USB keyboard
- 2 USB downstream ports on the rear right
- USB 2.0

Magnetic card reader
- 2 or 3 track reader
- Freely-programmable header and terminator per track
- Filtering and replacement of magnetic card data (USB keyboard)
- Increased security with programming of expanded hex codes
- Adjustable transmission of the start and end characters (sentinels) (USB keyboards)
- Freely-selectable output sequence of the tracks (USB keyboard)
- Easy handling of the configuration file with Windows® Explorer
- Support of Windows® system functions

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	G81-7000: max. 2000 g G81-8000: max. 2300 g
Dimensions	G81-7000: 405 x 220 x 64 mm G81-8000: 470 x 220 x 64 mm
Current consumption	PS/2: typ. 35 mA USB: max. 400 mA
Current output	USB max. 100 mA per downstream port
Magnetic card reader Standards	ISO 7811/-12, AAMVA, Gemini, JIS 1, additional on request
Magnetic head	up to 1.000.000 Read cycles
Read speed	8 – 318 cm/s at 30 Bit/cm 8 – 127 cm/s at 83 Bit/cm
Manufacturer guarantee	2 years

Model with barcode decoder:
Decodable barcodes: Code39, Code93, Code128, Code16k, Plessey, Industrial 2/5, Matrix 2/5, Codabar, Interleaved 2/5, Code11, UPC/EAN/JAN (automatic code recognition)

Interfaces: barcode input: 6-pin DIN 240° plug on the right side and 9-pin SUB-D plug at the right rear (independent of one another)

G81-7000 black

G81-8000 black

Compact version

Order code	Magnetic card reader Tracks	Barcode decoder Interfaces	Color	Connection	USB-Ports
G81-7000LPAxx-0	1+2+3	2	light grey	PS/2	–
G81-7000LPBxx-0	1+2	–	light grey	PS/2	–
G81-7000LPCxx-0	1+2	2	light grey	PS/2	–
G81-7000LPDxx-0	1+2+3	–	light grey	PS/2	–
G81-7000LUAxx-0	1+2+3	–	light grey	USB	yes
G81-7000LUAxx-2	1+2+3	–	black	USB	yes
G81-7000LUBxx-0	1+2	–	light grey	USB	yes
G81-7000LUBxx-2	1+2	–	black	USB	yes

Standard version

Order code	Magnetic card reader Tracks	Barcode decoder Interfaces	Color	Connection	USB-Ports
G81-8000LPAxx-0	1+2+3	2	light grey	PS/2	–
G81-8000LPBxx-0	1+2	–	light grey	PS/2	–
G81-8000LPCxx-0	1+2	2	light grey	PS/2	–
G81-8000LPDxx-0	1+2+3	–	light grey	PS/2	–
G81-8000LUAxx-0	1+2+3	–	light grey	USB	yes
G81-8000LUAxx-2	1+2+3	–	black	USB	yes
G81-8000LUBxx-0	1+2	–	light grey	USB	yes
G81-8000LUBxx-2	1+2	–	black	USB	yes

OPOS and JavaPOS support for Windows and Linux

OLE POS
JAVAPOS™

Compatible with Windows Vista™

MULTIBOARD
G81-7040

MULTIBOARD
G81-8040

Programmable magnetic card reader

43 programmable keys

With magnetic card and smart card reader

These MultiBoards are especially well-suited for

payments with credit and debit cards, network/PC

login, digital signatures, and home banking.

For banks, at the point of service, and in customer-

specific applications (e.g. payment with system login).

High security standard and maximum flexibility

are not exclusive of one another. Individually-

programmable readers and keys, various models

and many additional features ensure custom-tailored

functionality in practice without compromises with

respect to security.

Multifunctional USB keyboard with integrated magnetic card reader and EMC 2000-approved smart card reader for use with storage and processor chip cards.

FACTS & FEATURES G81-7040/-8040

Available as standard or compact version

- Mechanical individual keys (Cherry FTSC technology)
- Designed for continuous use – more than 50 million presses per key
- Programmable magnetic card reader
- PC/SC smart card reader with EMV 2000 approval (CCID and ISO 7816-compatible)
- 43 programmable keys
- OPOS and JavaPOS for Windows® and Linux (see Page 55)
- Supports client-server architectures
- Efficient configuration with professional "Cherry-Tools" software (see Page 54)
- G81-7040 as space-saving variant - only 405 mm wide

Magnetic card reader

- 2 or 3 track reader
- Freely-programmable header and terminator per track
- Filtering and replacement of magnetic card data
- Increased security with programming of expanded hex codes
- Adjustable transmission of the start and end characters (sentinels)
- Freely-selectable output sequence of the tracks
- Easy handling of the configuration file with Windows® Explorer
- Support of Windows® system functions

Smart card reader "SmartTerminal xx44"

- PC/SC chip card reader with CT-API support
- EMC 2000 Level 1 approval
- CCID compatible and ISO 7816-conform
- Contacting: sink contacts

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	G81-7040: max. 2000 g
	G81-8040: max. 2300 g
Dimensions	G81-7040: 405 x 220 x 64 mm
	G81-8040: 470 x 220 x 64 mm
Current consumption	max. 300 mA
Magnetic card reader Standards	ISO 7811/-12, AAMVA, Gemini, JIS 1/2, additional on request
Magnetic head	up to 1.000.000 Lesezyklen
Read speed	8 – 318 cm/s at 30 Bit/cm
	8 – 127 cm/s at 83 Bit/cm
Smart card reader Standards	ISO 7816, CCID, PC/SC, CT-API
Protocols	T=0, T=1 S=8 (ICC), S=9 (3-wire; SLE4418/28), S=10 (2-wire SLE4432/42)
Read cycles	> 200.000
Transmission rate	to the card: max. 420 Kbps to the system: max. 12 Mbps
Manufacturer guarantee	2 years

Compact version

Order code	Magnetic card reader Tracks	Color	Connection
G81-7040LUAxx-0	1+2+3	light grey	USB
G81-7040LUAxx-2	1+2+3	black	USB
G81-7040LUBxx-0	1+2	light grey	USB
G81-7040LUBxx-2	1+2	black	USB

Standard version

Order code	Magnetic card reader Tracks	Color	Connection
G81-8040LUAxx-0	1+2+3	light grey	USB
G81-8040LUAxx-2	1+2+3	black	USB
G81-8040LUBxx-0	1+2	light grey	USB
G81-8040LUBxx-2	1+2	black	USB

G81-7040 black

G81-8040 black

OPOS and JavaPOS support for Windows and Linux

OLE POS

JAVAPOS™

Compatible with Windows Vista™

MULTIBOARD
G80-8113

High-quality touchpad

Programmable magnetic card reader

59 programmable keys

You can take the term "multifunctional" literally.

For Cherry MultiBoards offer you precisely the

right solution for nearly any area of application.

With any quantity of programmable keys, diverse

connection and card reader variants, optional

programmable barcode decoder and many other

clever features ... with Cherry you're sure to make

the right choice!

Multifunctional keyboard with integrated touchpad, magnetic card reader and expanded layout!

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (Cherry MX technology)
- Designed for continuous use – more than 50 million presses per key
- Integrated touchpad
- Programmable magnetic card reader
- Expanded layout (120/121 keys)
- 59 programmable keys (of these 41 can be inscribed)
- Efficient configuration with professional "Cherry-Tools" software (see Page 54)
- OPOS and JavaPOS for Windows® and Linux (see Page 55)
- Supports client-server architectures

PS/2 keyboard
- Integrated memory
- Optional programmable barcode decoder

USB keyboard
- USB 2.0 with 2 USB downstream ports at the right rear

Magnetic card reader
- 2 or 3 track reader
- Freely-programmable header and terminator per track
- Filtering and replacement of magnetic card data (USB keyboard)
- Increased security with programming of expanded hex codes
- Adjustable transmission of the start and end characters (sentinels) (USB keyboard)
- Freely-selectable output sequence of the tracks (USB keyboard)
- Easy handling of the configuration file with Windows® Explorer
- Support of Windows® system functions

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	max. 2300 g
Dimensions	470 x 220 x 64 mm
Current consumption	PS/2: typ. 35 mA USB: max. 400 mA
Current output	USB: max. 100 mA per downstream port
Touchpad	resolution 1000 dpi plus 2 mouse buttons
Magnetic card reader:	
Magnetic head	up to 1.000.000 Read cycles
Read speed	8 – 318 cm/s at 30 Bit/cm 8 – 127 cm/s t 83 Bit/cm
Standards	ISO 7811/-12 AAMVA, Gemini, JIS 1/2, additional on request
Manufacturer guarantee	2 years

G80-8113 black

Order code	Magnetic card reader Tracks	Barcode-Decoder Interfaces	Color	Connection	USB-Ports
G80-8113LRAxx-0	1+2+3	2	light grey	2xPS/2	–
G80-8113LRAxx-2	1+2+3	2	black	2xPS/2	–
G80-8113LRBxx-0	1+2	–	light grey	2xPS/2	–
G80-8113LRBxx-2	1+2	–	black	2xPS/2	–
G80-8113LRCxx-0	1+2	2	light grey	2xPS/2	–
G80-8113LRCxx-2	1+2	2	black	2xPS/2	–
G80-8113LRDxx-0	1+2+3	–	light grey	2xPS/2	–
G80-8113LRDxx-2	1+2+3	–	black	2xPS/2	–
G80-8113LUAxx-0	1+2+3	–	light grey	USB	yes
G80-8113LUAxx-2	1+2+3	–	black	USB	yes
G80-8113LUBxx-0	1+2	–	light grey	USB	yes
G80-8113LUBxx-2	1+2	–	black	USB	yes

OPOS and JavaPOS support for Windows and Linux

OLE POS
JavaPOS™

Compatible with Windows Vista™

MULTIBOARD
G80-8200

Programmable
magnetic card reader

59 programmable
keys

MULTIBOARD
G81-8308

LED display
of the levels

24 programmable,
inscribable keys

Multifunctional keyboard with integrated magnetic card reader and expanded layout!

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (Cherry MX technology)
- Designed for continuous use – more than 50 million presses per key
- Programmable magnetic card reader
- Expanded layout (120/121 keys)
- 59 programmable keys (of these 48 can be inscribed)
- Efficient configuration with professional "Cherry-Tools" software (see Page 54)
- OPOS and JavaPOS for Windows® and Linux (see Page 55)
- Supports client-server architectures

PS/2 keyboard
- Optional programmable barcode decoder

USB keyboard
- USB 2.0 with 2 USB downstream ports at the right rear

Magnetic card reader
- 2 or 3 track reader
- Freely-programmable header and terminator per track
- Filtering and replacement of magnetic card data (USB keyboard)
- Increased security with programming of expanded hex codes
- Adjustable transmission of the start and end characters (sentinels) (USB keyboards)
- Freely-selectable output sequence of the tracks (USB keyboard)
- Easy handling of the configuration file with Windows® Explorer
- Support of Windows® system functions

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	max. 2300 g
Dimensions	470 x 220 x 64 mm
Current consumption	PS/2: typ. 35 mA USB: max. 400 mA
Current output	USB: max. 100 mA per downstream port
Magnetic card reader	
Standards	ISO 7811/-12, AAMVA, Gemini, JIS 1/2, additional on request
Magnetic head	up to 1.000.000 Read cycles
Read speed	8 – 318 cm/s at 30 Bit/cm 8 – 127 cm/s at 83 Bit/cm
Manufacturer guarantee	2 years

Model with barcode decoder:
Decodable barcodes: Code39, Code93, Code128, Code16k, Plessey, Industrial 2/5, Matrix 2/5, Codabar, Interleaved 2/5, Code11, UPC/EAN/JAN (automatic code recognition)

Interfaces: barcode input: 6-pin DIN 240° plug on the right side and 9-pin SUB-D plug at the right rear (independent of one another)

OPOS and JavaPOS
for Windows and
Linux

OLE POS

JAVAPOS™

Order code	Magnetic card reader Tracks	Barcode-Decoder Interfaces	Color	Connection	USB-Ports
G80-8200LPAxx-0	1+2	2	light grey	PS/2	–
G80-8200LPBxx-0	1+2	–	light grey	PS/2	–
G80-8200LPExx-0	1+2+3	2	light grey	PS/2	–
G80-8200LUAxx-0	1+2+3	–	light grey	USB	yes
G80-8200LUAxx-2	1+2+3	–	black	USB	yes
G80-8200LUBxx-0	1+2	–	light grey	USB	yes
G80-8200LUBxx-2	1+2	–	black	USB	yes

G80-8200 black

Keyboard with 24 programmable function keys assignable up to 20 levels (240 program spaces)!

FACTS & FEATURES

- Mechanical individual keys (Cherry FTSC technology)
- Designed for continuous use – more than 50 million presses
- 24 programmable, inscribable keys
- LED display for recognition of the levels
- Programming physical (integrated memory) or by software macros by means of efficient configuration software Cherry Tools (see page 54)
- Physically programmed: 10 levels/240 program slots 35 characters per function key on every level
- Programmed by software macro: 2000 characters per function key on first level
- Storage in software: 1 programming level, unlimited characters per key
- OPOS and JavaPOS for Windows® and Linux (see page 55)
- Supports client-server architectures

TECHNICAL SPECIFICATION

Cable length	approx. 1,75 m
Weight (incl. packaging)	max. 2300 g
Dimensions	470 x 220 x 64 mm
Current consumption	typ. 35 mA
Manufacturer guarantee	2 years

Order code	Color	Connection
G81-8308LPAxx-0	light grey	PS/2

OPOS and JavaPOS
for Windows and
Linux

OLE POS

JAVAPOS™

Keyboard family for point of service

Premium service is where the customer is.

Where things happen. Everything has to be quick

and easy to operate. In trade, hotels, at filling

stations, car rentals, travel offices,

…Our new SPOS family maximizes productivity

and guarantees customer satisfaction. Unlimited

data input even in demanding environments and

confined spaces.

SPOS
G86-61410

SPOS
G86-61411

30% smaller than standard keyboards

-30%

Optionally with integrated magnetic card reader

Labelable, exchangeable keys

Multifunctional, fully programmable USB keyboards with enhanced Alphanumeric Key Layout.
Option for Magnetic Stripe Reader and/or Touchpad.

FACTS & FEATURES

- Full Alphanumeric Layout incl. Numeric Keypad
- Compact – only 360 mm width
- User-friendly unstinted standard 19 mm key spacing
- IP54 rated spill and dust resistant key section
- Fully programmable USB 2.0 keyboard
- 3-Track Magnetic Stripe Reader (optional)
- Touchpad with 2 mouse keys (optional)
- Flexible layout customization with exchangeable relegendable keys
- Comprehensive UPOS support
- Integrated memory
- Cut-out mounting capabilities (circumferential rim)
- Pluggable feet

TECHNICAL SPECIFICATION

Cable length	approx. 1,85 m
Weight (incl. packaging)	approx. 1600 g
Dimensions	360 x 198 x 38 mm
Current consumption	max. 100 mA
Key spacing	Standard 19 mm
Life endurance of single keys	
Standard keys (1x1):	> 25 million presses
Multiwide keys (1x2, 2x1, 2x2):	> 20 million presses
Magnetic card reader	
Standards	ISO 7811/-12, AAAMVA, JIS, additional on request
Read cycles	> 1.000.000
Read speed	6,3 – 250 cm/s for standard 75 to 210 bpi
Manufacturer guarantee	2 years

3-Track Magnetic Stripe Reader (optional)

- Freely programmable Headers and Terminators for each Track
- Adjustable transmission of start/stop characters (sentinels)
- Filtering and exchange of card data
- Enhanced card processing security with selection of non-keyboard hex codes
- Dual insertion and bidirectional swipe of Magnetic Stripe Card
- Audible and visual indication of Magnetic Stripe Card good read
- Free selectable output order of the Tracks
- Data decoding as keyboard scan codes

Programmable & Relegendable Keys

- Additional Accessory Kit available including 1x2, 2x1, 2x2 Multiwide Keys and Blanks for flexible change of layouts
- Customized Key Layouts (on request)
- Unlimited programmability of all Keys up to 3 layers (optional)
- Supports the 'Moving of Modifier Keys'
- Prompt display of Key configuration via hotkey

G86-61411 light grey

Professionelle Software

- Programming physically (built-in memory) or via software macros with powerful configuration software 'Cherry Tools'
- Plug 'n' Play configuration
- UPOS support for Windows™ and Linux; Support of Client-Server architectures
- Supports Windows™ system functionalities
- Easy configuration file transfer with Windows™ Explorer
- Remote Network and immediate installation with 'Cherry Tools Runtime' version

SPOS – with alphanumeric key layout

Order code	Magnetic stripe-reader tracks	Touchpad	total /	Number of Keys programmable /	relegendable	Color
G86-61400xxADAA-	–	–	135	135	54	black
G86-61400xxAEAA- *	–	–	135	135	54	light grey
G86-61401xxADAA-	–	yes	123	123	60	black
G86-61401xxAEAA- *	–	yes	123	123	60	light grey
G86-61410xxADAA-	1+2+3	–	135	135	54	black
G86-61410xxAEAA-	1+2+3	–	135	135	54	light grey
G86-61411xxADAA-	1+2+3	yes	123	123	60	black
G86-61411xxAEAA-	1+2+3	yes	123	123	60	light grey

* on request

OPOS and JavaPOS for Windows and Linux

OLE POS J**AVA**POS™

Compatible with Windows Vista™

A little more, if you please?

The requirements for input solutions for the point

of service are more varied than ever before.

The Cherry SPOS family therefore continues to

grow and offers you a whole lot more flexibility by

almost universal individualization possibilities.

For example, with our multifunctional, fully

programmable keyboards as well as the SPOS

models with special matrix layout. This makes s

hopping fun not only for your customers but also

for your personnel.

SPOS
G86-63410

MATRIX KEY LAYOUT
SPOS
G86-63411

30% smaller than standard keyboards

-30%

Optionally with integrated magnetic card reader

Labelable, exchangeable keys

**Multifunctional, fully programmable USB keyboards with 18x8 Matrix Key Layout.
Option for Magnetic Stripe Reader and/or Touchpad.**

FACTS & FEATURES

- 142 / 130 key Matrix Layout incl. Numeric Keypad
- Compact – only 360 mm width
- User-friendly unstinted standard 19 mm key spacing
- IP54 rated spill and dust resistant key field
- Fully programmable USB 2.0 keyboard
- 3-Track Magnetic Stripe Reader (optional)
- Touchpad with 2 mouse keys (optional)
- Flexible layout customization with exchangeable and relegendable keys
- Comprehensive UPOS support
- Integrated memory
- Cut-out mounting capabilities (circumferential rim)
- Pluggable feet

TECHNICAL SPECIFICATION

Cable length	approx. 1,85 m
Weight (incl. packaging)	approx. 1600 g
Dimensions	360 x 198 x 38 mm
Current consumption	max. 100 mA
Key spacing	Standard 19 mm
Life endurance of single keys	
Standard keys (1x1):	> 25 million presses
Multiple keys (1x2, 2x1, 2x2):	> 20 million presses
Magnetic card reader Standards	ISO 7811/-12, AAAMVA, JIS, additional on request
Read cycles	> 1.000.000
Read speed	6,3 – 250 cm/s for standard 75 to 210 bpi
Manufacturer guarantee	2 years

3-Track Magnetic Stripe Reader (optional)

- Freely programmable Headers and Terminators for each Track
- Adjustable transmission of start/stop characters (sentinels)
- Filtering and exchange of card data
- Enhanced card processing security with selection of non-keyboard hex codes
- Dual insertion and bidirectional swipe of Magnetic Stripe Card
- Audible and visual indication of Magnetic Stripe Reader good read
- Free selectable output order of the Tracks
- Data decoding as keyboard scan codes

Programmable & Relegendable Keys

- Additional Accessory Kit available including 1x2, 2x1, 2x2 Multiwide Keys and Blanks for flexible change of layouts
- Customized Key Layouts (on request)
- Unlimited programmability of all Keys up to 3 layers (optional)
- Supports 'Moving of Modifier Keys'
- Prompt display of Key configuration via hotkey

G86-61411 light grey

Professional Software

- Programming physically (built-in memory) or via software macros with powerful configuration software 'Cherry Tools'
- Plug 'n' Play configuration
- UPOS support for Windows™ and Linux; Support of Client-Server architectures
- Supports Windows™ system functionalities
- Easy configuration file transfer with Windows™ Explorer
- Remote Network and immediate installation with 'Cherry Tools Runtime' version

SPOS – with alphanumeric key layout

Order code	Magnetic stripe-reader tracks	Touchpad	Number of Keys total /	programmable /	relegendable	Color
G86-63400xxADAA-	–	–	142	142	142	black
G86-63400xxAEAA-	–	–	142	142	142	light grey
G86-63401xxADAA- *	–	yes	130	130	130	black
G86-63401xxAEAA- *	–	yes	130	130	130	light grey
G86-63410xxADAA-	1+2+3	–	142	142	142	black
G86-63410xxAEAA-	1+2+3	–	142	142	142	light grey
G86-63411xxADAA- *	1+2+3	yes	130	130	130	black
G86-63411xxAEAA- *	1+2+3	yes	130	130	130	light grey

* on request

OPOS and JavaPOS for Windows and Linux

OLE POS

JAVAPOS™

Compatible with Windows Vista™

Perfect protection and adapter solutions for your keyboard

Cherry quality is endlessly useful.

Adapters

Order description

USB → PS/2	violet	617-1784
PS/2 → USB	light gray	617-1728
DIN → PS/2	beige	617-0580
PS/2 → DIN	beige	617-1717

Power supply units

617-1930	
636-0237	
363-0238	
363-0239	

Charging cable

USB charging cable
US charging cable
Euro charging cable
UK charging cable

WetEx®

Flexible protective film for keyboards
Protects keyboards against liquids, dust, and foreign bodies

Technical specifications

Thickness:	0.25 mm
Hardness:	85 Shore
Spec. weight:	1.13 g
Tear strength:	9000 PS
E-module:	1200 PSI
Strain:	450 %
Tensile strength:	400 lbs/inch
Abrasion resistance:	6
Usage temperature:	-40 °C
	to +71 °C

Order description

Keyboard series	Allocation	With Windows® keys	Without Windows® keys
G86-21950 (CyMotion Master Solar)	European	615-5162	–
G84-4100	European / US English	615-5118	615-5044
G84-4400*	European	–	615-5140
	US English	–	615-5147
G84-4700	European / US English	–	615-5173
G80/G81-1800	European	615-5113	–
	US English	615-5112	–
G80/G81-3000	European	615-5080	615-5114
	US English	615-5079	615-5115
G80-3700	European / US English	–	615-5174
G83-6104	US English	615-5138	–
G83-6105	European	615-5139	–
G81-8308	US English	615-5137	–
G80-11800*	European	–	615-5160
G80-11900**	European	615-5141	–
	US English	615-5142	–

* Trackball open, that is, hole stamped in the foil for trackball. Keys are under the foil

** Touchpad is covered with foil. The functioning of the touchpad is assured

European keyboard layout

Country code	Country
BE	Belgium
CH	Switzerland
DE	Germany
DK	Denmark
ES	Spain
FR	France
GB	UK English
GR	Greece
IT	Italy
NL	Netherlands
NO	Norway
PL	Poland
PO	Portugal
RD	German/Cyrillic
SF	Sweden/Finland
SL	Slovenia
TS	Czech Republic

Other versions upon request.

International keyboard layout

BB	Bulgaria
EU	US English/international with €
IL	US English/Hebrew
RB	US English/Cyrillic
RL	US English/Cyrillic/Lithuanian
US	US English

Other versions upon request.

Fig. European keyboard with Windows® keys (105 keys)

Example:
G80-3000LPMDE-0	= German layout
G81-3000LRNIT-0	= Italian layout
G83-6105LUNGB-0	= UK English layout
M86-21950FRAAAAC	= French layout

xx in the number key of the keyboard

Fig. International keyboard with Windows® keys (104 keys)

Example:
G81-3000LRNUS-0	= US English layout
G83-6104LUNEU-0	= US English/international

xx in the number key of the keyboard

Brilliantly simple solutions that make your keyboard or mouse much more versatile.

KeyM@n

KeyM@n is high-performance, extensive software. It allows you to freely program the additional keys on the keyboard and mouse. You can assign these links, programs, system functions, and even any text you wish. Thus you are in a position to call up frequently-used functions with the touch of a button.

KeyM@n for Windows®

Current software Version 3.0
Operating systems: Windows 2000, Windows XP, 2003 Server
Languages: English, German, French, Spanish, Italian

KeyM@n for Linux

Current software Version 1.0
Operating systems: SuSE Linux 9.1 und 10.0, Mandrake 10.1, Debian 3.1, Fedora 4.0
Desktop environment: KDE or Gnome (depending on distribution)
Distribution in source code under the GNU General Public License
Languages: English, German, French

Software updates

The current version of our software is available for free downloading at **http://support.cherry.de.**

Protector Suite™ QL

The Protector Suite™ QL is a security software for notebooks and desktop computers. The user can manage the Logon operating system securely. He can also replace passwords on Web sites with fingerprint and save confidential information in encrypted form. An intuitive user guidance minimizes the support costs and promotes user acceptance.

Secure Password bank – "learns and saves" passwords for single sign-on (SSO) to Web sites and Windows® applications.

MySafe – enables the authorized fingerprint users to make files and folders with confidential information accessible by drag&drop or direct saving in the coded private folder MySafe.

Protector Suite QL is only suitable for Windows 2000 and Windows XP. Windows Vista is not supported.

Cherry Tools

Configuration and Driver Software

With the Cherry Tools you can edit the configuration of your keyboard, the keys, the magnetic card and barcode readers. The settings can be saved as a file, whereby the keyboard does not absolutely have to be connected to the computer.

Functions:

- Configuration of the keyboard and integrated devices (magnetic card readers, barcode readers)
- Programming of keys or function keys
- Update of the keyboard firmware.
- Operation of the magnetic card reader by MultiBoard USB keyboards.

Supported keyboards:

- MultiBoard (series G8x-7xxx and G8x-8xxx)
- Keypad G84-4700

Can be used under MS Windows® 98 SE, ME, 2000, XP

Cherry Tools Runtime

Configuration and Driver Software without User Interface

Cherry Tools Runtime ports existing configuration files to other computers. It supports software (virtual) programming. If you change to another computer with your keyboard, with a virtually-programmed keyboard, the configuration remains on the original computer. The Cherry Tools Runtime Setup installs your configuration and all necessary drivers on the target computer. It does not install a user interface (GUI - Graphical User Interface) and cannot change any configurations.

Functions:

- Installs configuration files when changing to another computer (only virtual programming)
- Operation of the magnetic card reader by MultiBoard USB keyboards.

Can be used under MS Windows® 98 SE, ME, 2000, XP

Cherry OPOS Support

OPOS (OLE for POS) allows the easy integration of various point of sale (POS) hardware into corresponding applications. Win32 components according to UnifiedPOS specification V1.8.

Content: Service objects and demo applications

Device classes:

- Magnetic Stripe Reader
- Keyboard
- Barcode-Scanner
- Keylock

Setup variants:

Local Edition: For installation on standalone systems under the operating systems MS Windows® 98, ME, NT4 SP6, 2000, XP, XP embedded (no client/server support)

Client Edition: For installation on clients under the operating systems Windows 2000, XP, XP embedded (supports Citrix Metaframe and MS Windows Terminal Server)

Server Edition: For installation on servers under the operating systems Windows 2000 Server, 2003 Server (supports Citrix Metaframe and MS Windows Terminal Server)

OPOS-capable Cherry keyboards:

MultiBoard (series G8x-7xxx and G8x-8xxx)

Can be used under MS Windows® 98, ME, NT4 SP6, 2000, XP, XP embedded.

JavaPOS support for Windows®

JavaPOS (Java for POS) allows the easy integration of various point of sale (POS) hardware into corresponding applications. Components according to UnifiedPOS specification V1.8

Content: Service objects and demo applications

Device classes:

- Magnetic Stripe Reader
- Keyboard
- Keylock

Setup variants:

Local Edition: For installation on standalone systems under the operating systems MS Windows® 98, ME, NT4 SP6, 2000, XP, XP embedded (no client/server support)

Client Edition: For installation on clients under the operating systems Windows 2000, XP, XP embedded (supports Citrix Metaframe and MS Windows Terminal Server)

Server Edition: For installation on servers under the operating systems Windows 2000 Server, 2003 Server (supports Citrix Metaframe and MS Windows Terminal Server)

JavaPOS-capable Cherry keyboards:

MultiBoard (series G8x-7xxx and G8x-8xxx)
Runs with IBM JRE V1.3 and SUN JRE V1.4.

JavaPOS support for Linux

JavaPOS (Java for POS) allows the easy integration of various point of sale (POS) hardware into corresponding applications. Components according to UnifiedPOS specification V1.8

Content: The package contains service objects and the corresponding kernel modules

Device classes:

- Magnetic Stripe Reader
- Keyboard
- Keylock

JavaPOS-compatible Cherry keyboards:

MultiBoard (series G8x-7xxx and G8-8xxx)
Can be used under SUSE Linux V8.1 – 9.2 / kernel 2.4 and 2.6
Runnable with IBM JRE V1.3 and SUN JRE V1.4

MultiBoard USB magnetic card reader Support for Linux

Content: The package contains a USB kernel module

Functions:

Header and terminator configuration per spur
Activation / Deactivation of spurs
Activation / Deactivation of sentinels

Applicable for Cherry keyboards:

MultiBoard USB (series G8x-7xxx and G8x-8xx)
Can be used under SUSE Linux V9.0 – 9.2 / kernel 2.4 and 2.6