

PROGRAM 2010



PROGRAM

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

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ORIGINAL CHERRY

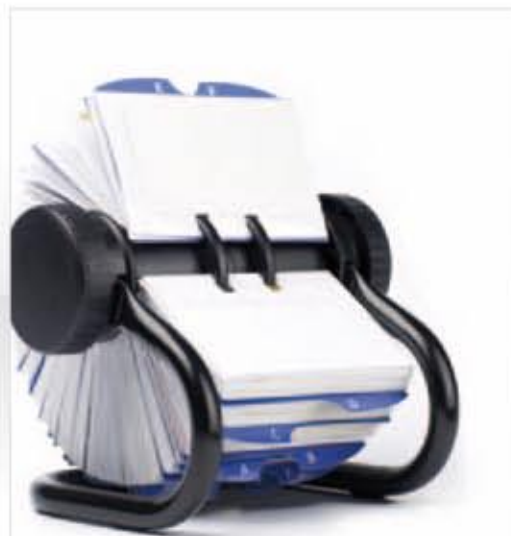
THE POWER OF IDEAS
COMBINED WITH
THE RELIABILITY
OF EXPERIENCE

CHERRY has developed and produced innovative input systems for computers since 1967. The difference in quality, reliability, durability and design is something you need to experience first-hand.

No other manufacturer has more experience and knowledge worldwide. How does this benefit you, the customer? CHERRY products are synonymous with first-rate technology. From the very beginning, CHERRY products have delighted customers and operators with uncompromising high quality and attractive ergonomic designs.

In other words: CHERRY fulfils and exceeds the expectations of both professional and private users. With specially tailored input solutions for all areas.

Insist on original CHERRY products...



OFFICE 06 - 17

CHERRY OFFICE – high quality keyboards and input devices, optimized for daily office use. Reliability, high levels of ergonomics and last, but not least, an attractive design are the focus of our developments...



eHEALTH 18 - 23

CHERRY eHEALTH – special keyboards and readers, e.g. for new health insurance cards. Optimized for daily use in practices and health care. Reliable, practical and tailored to boost performance...



SECURITY 24 - 35

CHERRY SECURITY – up-to-date security technology seamlessly integrated in keyboards and input devices. Optimized for the highest demands and all important approval regulations. An uncompromising, wide product portfolio...



INDUSTRIAL 36 - 45

CHERRY INDUSTRIAL – robust keyboards and input devices which you can rely on at all times. Especially for tough operating conditions. Optimized for durability, versatile integration and performance...



POS / POT 46 - 63

CHERRY POS/POT – individual keyboards and input devices, including middleware for cash desks, sales and transaction systems. Optimized for compatibility, reliability, high levels of ergonomics and naturally also for robustness in daily use...

What can we do for YOU? – CHERRY will be happy to help you.

Call us on: Sales Hotline – (262) 942-6500

Catalogue page
 Mouse
 Keyboard
 Desktop
 Card reader
 MX
 FTSC
 NTK
 ML
 ATK
 SX
 LPK
 Combo (USB/PS/2)
 PS/2
 USB
 RS232
 USB
 16" Format
 Wireless transmission
 Codeset 3 support
 Touchpad / Trackball
 Programmable buttons
 Chip card reader
 Magnetic card reader
 Contactless card reader
 Fingerprint sensor
 Software
 Other

			Product type	Technology	Connection	Function	
OFFICE	JK-0300 Strait	9	■		■		
	J82-16001 K1	10	■		■	■	
	G85-23100 Stream XT	11	■			■	
	JM-0300-2 Gentix	12	■			■	Backlit sides and scroll
	M-5400 Wheelmouse	13	■			■	
	G83-6104 NTK Standard	14	■	■	■	■	
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	ST-1044UB SmartTerminal	29		■	■	■	
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Catalogue page
 Mouse
 Keyboard
 Desktop
 Card reader
 MX
 FTSC
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 ML
 ATK
 SX
 LPK
 Combo (USB/PS/2)
 PS/2
 USB
 RS232
 USB
 16" Format
 Wireless transmission
 Codeset 3 support
 Touchpad / Trackball
 Programmable buttons
 Chip card reader
 Magnetic card reader
 Contactless card reader
 Fingerprint sensor
 Software
 Other

			Product type	Technology	Connection	Function	
INDUSTRIAL	G83-14601 FingertIDBoard	34	■		■		
	G83-14701 FingertIDBoard	34	■		■		
	M-4200 FingertIDMouse	35	■			■	
	G84-4100 Compact	38	■	■		■	■
G84-4420 Trackball	39	■	■		■	■	
G84-4700 Keypad	39	■	■		■	■	
G84-5200 XS	40	■	■		■	■	
G84-5400 XS	41	■	■		■	■	
G84-5500 XS	41	■	■		■	■	
G80-11900 Touchboard	42	■		■	■	■	
J86-4400 Vandal-Proof	43	■			■		
G86-52400 Industrial Mini	44	■		■			
G86-62401 Industrial Compact	45	■		■			
POS / POT	G86-62431/-62461 SPOS BIO	48	■	■		■	■
	G86-61411/-61410 SPOS	50	■	■		■	■
	G86-63411/-63410 SPOS	52	■	■		■	■
	G86-71400 LPOS	54	■	■		■	■
	G86-51400 MPOS	56	■	■		■	■
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OFFICE ORIGINAL CHERRY...

HIGH QUALITY KEYBOARDS AND MICE
OPTIMIZED FOR DAILY OFFICE USE

Office work is conducted on keyboards. And with mice. Can you imagine how much time you spend using input devices at computers every day? During an average working day in the office, you use the keyboard and mouse for up to seven hours without interruptions.

Reliability and ergonomics are vital. CHERRY has decades of experience in the development and production of high quality input devices.

Choose from many different technologies designed for any purpose. CHERRY is not only known for quality and durability, we also take pride in making exceptionally attractive products.

Regardless of which of our keyboards or mice you decide on, the CHERRY name guarantees excellent quality in terms of product development and manufacturing.

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PRODUCT OVERVIEW

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You can find corresponding accessories and software applications for the products on page 64 and onwards.



NEW JK-0300
STRAIT
 Corded Keyboard

Elegance has a name!

FACTS & FEATURES

- Elegant design for the office and living room
- High-quality finish for lasting reliability
- Whisper keystroke - Ideal for everyday work
- 5 hotkeys to control Media Player
- USB connection for laptops and PCs
- Plug & Play without installing any software
- Manufacturer warranty: 5 years

TECHNICAL SPECIFICATIONS:

Weight (including packaging)	approx. 1060 g
Dimensions	approx. 441 x 161 x 14.5 mm (keyboard) approx. 465 x 200 x 27 mm (packaging)
Power input	45 mA
Number of keys	103 +5
Length of cable	approx. 1.80 m

Part Number	Color	Connection
JK-0300EU	Silver/White	USB



J82-16000

K1

Office Keyboard

Everything but normal!

FACTS & FEATURES

- Comfortable key action
- Space-efficient compact keyboard
- Abrasion-proof legends on keycaps
- Cherry quality at an affordable price
- Manufacturer warranty: 2 years

TECHNICAL SPECIFICATIONS:

Weight (including packaging) approx. 800 g
 Dimensions approx. 406 x 165 x 32 (keyboard)
 approx. 485 x 190 x 36 (packaging)
 Length of cable approx. 1.8 m
 Power input 40 mA
 Number of keys 104
 Service life of the standard individual keys > 10 million keystrokes

Part Number	Color	Connection
J82-16001LPNEU-0	Light grey	PS/2
J82-16001LPNEU-2	Black	PS/2
J82-16001LUNEU-0	Light grey	USB
J82-16001LUNEU-2	Black	USB



G85-23100

STREAM XT

Corded Keyboard



Get up and go!

FACTS & FEATURES

- Spill resistant. The keyboard continues to work even when confronted with liquid spillage such as coffee or water
- Can be used on any computer with a USB or PS/2 connection
- Easy start-up with no software installation using Plug & Play
- Whisper keystroke for low-noise typing
- Standard, flat keyboard with a modern design and pleasant keystroke feel
- 5 hotkeys for convenient volume control and the most important media player functions
- Standard keyboard layout (including cursor and number block)
- Plug & Play for easy start-up with no software installation
- Manufacturer warranty: 2 years

TECHNICAL SPECIFICATIONS:

Weight (including packaging) approx. 1260 g
 Dimensions approx. 472 x 176 x 18 mm (keyboard)
 approx. 485 x 255 x 63 mm (packaging)
 Length of cable approx. 1.80 m
 Power input 16 mA
 Number of keys 104 +6

Part Number	Color	Connection
G85-23100EU-2	Black	USB (PS/2 via adapter)



NEW JM-0300
GENTIX
Corded Optical Mouse

Perfect for work!

FACTS & FEATURES

- Great value
- Reliable corded mouse with three buttons and optical sensor
- Pleasant haptics and improved grip with rubber sides
- Symmetrical design – suitable for left- and right-handed users
- High-resolution optical sensor with 1000 dpi resolution for precise and flowing cursor control
- Plug & Play for easy start-up
- 1.8 m cable with USB connection for use on the laptop and PC
- Backlit scroll wheel and sides
- Manufacturer warranty: 2 years

TECHNICAL SPECIFICATIONS:

Number of buttons	3 buttons
Weight (including packaging)	approx. 164 g
Dimensions	approx. 112 x 69 x 35 mm
Length of cable	approx. 1.80 m
Resolution	1000 dpi
Power input	max. 100 mA

Part Number	Color	Connection
JM-0300	Black	USB



M-5400 | M-5450
WHEEL MOUSE
Corded Optical Mouse



Just plug-in and off you go!

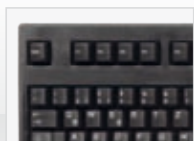
FACTS & FEATURES

- Unbeatable price
- Optical sensor for precise movement of the mouse pointer
- Compatible for PCs and Macs via USB connection
- Precise performance with 1000 dpi resolution
- Easy scrolling with the PowerWheel
- Elegant design, ideal for right- and left-handed users
- Easy connection or disconnection, even during operation
- Includes adapter for PS/2 interface
- Manufacturer warranty: 3 years

TECHNICAL SPECIFICATIONS:

Number of keys	3 keys
Weight (including packaging)	approx. 155 g
Dimensions	approx. 121 x 63 x 38 mm
Length of cable	approx. 1.80 m
Resolution	1000 dpi
Other	White box

Part Number	Color	Connection
M-5400	Light grey	USB (PS/2 via adapter)
M-5450	Black	USB (PS/2 via adapter)



G83-6000
STANDARD

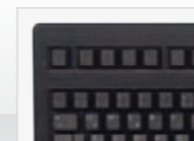
FACTS & FEATURES

- The world's best-selling office keyboard for all PC applications
- Space-saving, compact design for more desk space
- Easy start-up with no software installation using a USB or PS/2 connection
- Standard switching characteristics and pleasant feel with soft pressure point
- Manufacturer warranty: 2 years

TECHNICAL SPECIFICATIONS:

Dimensions	458 x 170 x 42 mm
Length of cable	approx. 1.75 m
Weight (including packaging)	approx. 810 g
Power input	16 mA

Part Number	Color	Number of keys
G83-6104LPNEU-0	Light Grey	104 (no logo)
G83-6104LPNEU-2	Black	104 (no logo)
G83-6104LUNEU-0	Light Grey	104
G83-6104LUNEU-2	Black	104



G81-1800
COMPACT

Quality is not a matter of size!

FACTS & FEATURES

- Mechanical individual keys with membrane contact switches (FTSC technology)
- Designed for continuous usage – over 50 million operations per key
- High quality and compact 16" PC keyboard – space-saving and ergonomic
- Codeset 3 support (PS/2 connection only) e.g. for Unix computers
- Robust and reliable
- High quality keyboard for professional use
- Also available without Windows® keys (101/102 keys)
- Manufacturer warranty: 2 years

TECHNICAL SPECIFICATIONS:

Dimensions	405 x 180 x 44 mm
Length of cable	approx. 1.75 m
Weight (including packaging)	approx. 1600 g
Power input	16 mA

Part Number	Color	Connection	Number of keys
G81-1800LPAUS-0	Light grey	PS/2	101
G81-1800LPAUS-2	Black	PS/2	101
G81-1800LPMUS-0	Light grey	PS/2	104
G81-1800LPMUS-2	Black	PS/2	104
G81-1800LUMUS-0	Light grey	USB	104
G81-1800LUMUS-2	Black	USB	104



G80-3000
STANDARD

Precise and reliable!



G80-1865
COMPACT

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (MX technology)
- Perfect key feel
- High quality keyboard for outstanding typing performance, fulfilling even the highest requirements
- Extremely long service life of individual keys
- Compatible with PC and Mac via USB connection
- Includes adapter for PS/2 interface
- Manufacturer warranty: 2 years

TECHNICAL SPECIFICATIONS:

Dimensions	470 x 195 x 44 mm
Length of cable	approx. 1.75 m
Weight (including packaging)	approx. 1150 g
Power input	16 mA
Number of keys	104

Part Number	Color	Connection	Confirmation type
G80-3000LSCEU-2	Black	USB	Tactile with click (MX Blue)

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (MX technology)
- Perfect key feel
- High quality and compact 16" PC keyboard – space-saving and ergonomic
- High quality keyboard for outstanding typing performance, fulfilling even the highest requirements
- Extremely long service life of individual keys
- Great for gaming
- 2 USB downstream Ports
- Manufacturer warranty: 2 years

TECHNICAL SPECIFICATIONS:

Dimensions	405 x 180 x 44 mm
Length of cable	approx. 1.75 m
Weight (including packaging)	approx. 1190 g
Power input	16 mA
Number of keys	104

Part Number	Color	Connection	Confirmation type
G80-1865LXNEU-2	Black	USB	Tactile no Click (MX Brown)



eHEALTH ORIGINAL CHERRY...

SPECIAL KEYBOARDS AND READERS OPTIMIZED FOR USE IN HEALTH CARE

Today's health care utilizes complex IT systems. Every workstation needs suitable input devices from development to implementation.

Proven solutions are vital. CHERRY has decades of experience in the development and production of high quality specialist input devices.

CHERRY is an innovator in this field. We are the only manufacturer that enables the new German health insurance cards to be read directly in a keyboard. CHERRY supplies a highly specialized range of keyboards and terminals for the health care branch.

Whatever you desire for your eHealth applications, CHERRY can develop the custom solution to suit your needs.

Sales Hotline: (262) 942-6500

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PRODUCT OVERVIEW

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Washable Mouse	21
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Wipekey	23

You can find corresponding accessories and software applications for the products on page 64 and onwards.



Custom Solution Examples



Only available in
GERMANY

NEW G87-1504

eHEALTH KEYBOARD

The only BCS eHealth keyboard!

FACTS & FEATURES

- The only eHealth BCS keyboard on the German market for eGK and KVK cards
- eHealth BCS approval from gematik
- SICCT and BCS compatible
- CT-API support via USB
- SICCT via USB possible using proxy driver
- 2 full-size card slots for eGK and HBA
- 2 slots for SMCs and SM-KT
- Safe investment and upgrade compatible
- Graphic display 128 x 64 pixels
- Ready to use with external PIN pad
- Manufacturer warranty: 2 years
- For Windows 7, 2008, Vista, 2003, XP, 2000, Citrix, WTS, Linux, MAC OS X

TECHNICAL SPECIFICATIONS:

Interface	USB
Dimensions	470 x 220 x 49 mm
Mating cycles (chip card reader)	approx. 300,000
Protocols	T=0, T=1, S=8, S=9, S=10

Contact Cherry for more details.



MW-2800

WASHABLE MOUSE

FACTS & FEATURES

- Compact, unique, easy-to-clean
- Rugged, sealed, single piece silicone prevents trapped bacteria
- NEMA-4 rated for fluid resistance
- Suitable for use with common hospital chemicals and disinfectants
- Hypo-allergenic, silicone with a soft feel
- 3 scroll buttons allow for quick and easy navigation
- Manufacturer warranty: 1 year

TECHNICAL SPECIFICATIONS:

Interface	USB 2.0
Cable Length	approx. 4.5 feet
Technology	Silicone rubber
Humidity	100%
MTBF	20,000 hours

Part Number	Color	Connection
MW-2800-2	Black	USB
MW-2800-5	Blue	USB



J84-2120
BACKLIT
Washable Keyboard

FACTS & FEATURES

- Compact, unique, easy-to-clean
- Rugged, sealed, single piece silicone key matrix prevents trapped bacteria
- NEMA-4 rated for fluid resistance
- Suitable for use with common hospital chemicals and disinfectants
- CLEAN key temporarily disables keys, allowing rapid cleaning without PC disconnect and quick resumption of usage
- Integrated, sealed pointing device—no mouse needed
- 3 backlit settings for illumination intensity
- Pre-tapped mounting holes for easy installation
- Manufacturer warranty: 1 year

TECHNICAL SPECIFICATIONS:

Interface	USB 1.1		
Dimensions	approx. 290 x 163 x 48 mm (keyboard) approx. 310 x 202 x 53 mm (packaging)		
Cable Length	approx. 1.1 m		
Compact size	83 position US key layout		
Current Input	typ. 250 mA with backlighting at max brightness		
Technology	Feedback: tactile		
Material:	industrial silicon rubber		
Mounting	Vesa mount		
Part Number	Color	Connection	
J84-2120LUAUS-2	Black	USB	



J84-4300
WIPEKEY
IP55 Keyboard

FACTS & FEATURES

- Membrane technology provides dust, dirt, and jetting water protection
- Designed for continuous use – more than 10 million key operations
- High reliability and uniquely precise tactile keying
- Full 85 US key layout
- Ultra slim - overall height only 19 mm
- Usable with standard drivers of the operating system
- Ideal for use with space limitations
- IP55 pointing device and key filed
- Manufacturer warranty: 1 year

TECHNICAL SPECIFICATIONS:

Interface	USB 2.0	
Dimensions	approx. 370 x 139 x 20 mm (keyboard) approx. 396 x 210 x 43 mm (packaging)	
Cable Length	approx. 1.5 m	
Compact size	85 position US key layout	
Current Consumption	typ. 40 max	
Keys life	10 million operations	
Part Number	Color	Connection
J84-4300LUAUS-2	Black	USB



SECURITY ORIGINAL CHERRY...

UP-TO-DATE SECURITY TECHNOLOGY - SEAMLESSLY
INTEGRATED IN KEYBOARDS AND INPUT DEVICES

Security is essential today. That's why it needs to be integrated into systems.

At CHERRY, we use our knowledge and expertise so that your input devices are secure at all times. We develop and produce input systems that make it easy for you to plan and implement security in your working environment.

Innovative technology for the highest requirements. CHERRY has decades of experience in the development and production of secure input devices.

The very latest security technology is available from CHERRY. We offer a wide range of uncompromising products and support you in the planning and implementation of your requirements. Of course, this includes all the important approval regulations and directives.

Whatever you require for your security needs – you can rely on CHERRY. Input devices that simply couldn't be more practical and reliable.

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PRODUCT OVERVIEW

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SmartReader SR-4044/-4300	32
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You can find corresponding accessories and software applications for the products on page 64 and onwards.



G83-6644
SMARTBOARD

USB keyboard with chip card reader!

FACTS & FEATURES

- Keyboard with chip card reader
- Secure PIN entry (Class 2 reader)
- EMV 2000 terminal Level 1 approved
- PC/SC 2.0 chip card reader
- CT-API and B1 support
- For reading and writing on processor and memory cards according to ISO 7816
- CCID and CardMan 3121 compatible
- USB 2.0 compatible
- For Windows 7, 2008, Vista, 2003, XP, 2000, ME, 98, Linux, MAC OS X
- FIPS 201 Certified

TECHNICAL SPECIFICATIONS:

Interface	USB
Dimensions	458 x 170 x 52 mm
Power input	max. 100 mA
Protocols	T=0 and T=1, S=8, S=9 and S=10
Mating cycles (chip card reader)	approx. 100,000

Part Number	Color	Connection
G83-6644LUAEU-2	Black	USB



G83-6675
SMARTBOARD TWIN

Contact and Contactless – All in one!

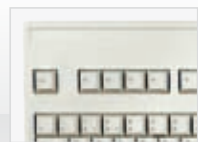
FACTS & FEATURES

- Chip card reader
 - Secure PIN entry (Class 2 reader)
 - EMV 2000 terminal Level 1 approved
 - PC/SC 2.0 chip card reader
 - CT-API and OCF support
 - For reading and writing on processor cards and memory cards according to ISO 7816
 - CCID compatible
- Contactless Chip card reader
 - ISO 14443A / B compatible
 - Status display: Duo LED
 - Protocols: T=CL, Mifare
 - Read distance: < 2 cm
 - ICAO compliant
 - For Windows 7, Vista, XP, 2000 and Linux (7816 only)

TECHNICAL SPECIFICATIONS:

Interface	USB
Dimensions	458 x 170 x 52 mm
Power input	max. 100 mA
Mating cycles (chip card reader)	approx. 100,000
Protocols	T=0, T=1, S=8, S=9, S=10, T=CL, Mifare

Part Number	Color	Connection
G83-6675LUAEU-2	Black	USB



G83-6744
SMARTBOARD

Certified keyboard with chip card reader!

FACTS & FEATURES

- Common Criteria EAL 3+ certified for electronic signatures
- Secure PIN entry (Class 2 reader)
- PC/SC 2.0 chip card reader
- CT-API and OCF support
- EMV 2000 terminal Level 1 approved
- CCID and CardMan 3121 compatible
- Reading/writing ISO 7816 compliant chip cards
- For Windows 7, 2008, Vista, 2003, XP, 2000, ME, 98, Linux, MAC OS X
- FIPS 201 Certified

TECHNICAL SPECIFICATIONS:

Interface	USB
Dimensions	458 x 195 x 54 mm
Power input	max. 100 mA
Protocols	T=0, T=1, S=8, S=9, S=10
Mating cycles (chip card reader)	approx. 100,000

Part Number	Color	Connection
G83-6744LUAUS-0	Light grey	USB
G83-6744LUAUS-2	Black	USB



ST-1044U
SMART TERMINAL

High quality USB chip card reader

FACTS & FEATURES

- Single-handed operation due to its heavy and stable construction
- PC/SC chip card reader
- CT-API and OCF support
- CCID and CardMan 3121 compatible
- EMV 2000 terminal Level 1 approved
- Reading/writing ISO 7816 compliant chip cards
- For Windows 7, 2008, Vista, 2003, XP, 2000, ME, 98, Linux, MAC OS X
- FIPS 201 Certified

TECHNICAL SPECIFICATIONS:

Interface	USB
Dimensions	75 x 51 x 55 mm
Power input	max. 100 mA
Protocols	T=0, T=1, S=8, S=9, S=10
Mating cycles (chip card reader)	approx. 100,000

Part Number	Color	Connection
ST-1044UB	Light grey/black	USB



ST-1210

SMART TERMINAL

Read chip cards with one hand!

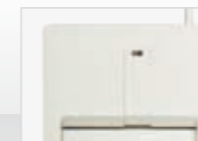
FACTS & FEATURES

- Chip card reader with USB connection
- Single-handed operation due to functional design and stable construction
- For reading and writing on processor cards and memory cards according to ISO 7816
- PC/SC chip card reader
- CT-API and OCF support
- CCID compatible
- EMV 2000 terminal Level 1 approved
- For Windows 7, Vista, XP, 2000 and Linux
- FIPS 201 Certified

TECHNICAL SPECIFICATIONS:

Interface	USB
Dimensions	105 x 70 x 12 mm
Power input	max. 100 mA
Protocols	T=0, T=1, S=8, S=9, S=10
Mating cycles (chip card reader)	approx. 100,000

Part Number	Color	Connection
ST-1210UAF	Light grey	USB
ST-1210UAE	Black	USB



ST-1275

SMART TERMINAL

Contact and Contactless - All in one!

FACTS & FEATURES

- Combined contact / contactless chip card reader
- Single-handed operation due to functional design and stable construction
- PC/SC chip card reader
- Reading/writing ISO 7816 compliant chip cards
- CT-API and OCF support
- EMV 2000 terminal Level 1 approved
- CCID compatible
- Contactless chip card reader in accordance with ISO 14443A/B
- ICAO compatible
- For Windows 7, Vista, XP, 2000 and Linux (7816 only)

TECHNICAL SPECIFICATIONS:

Interface	USB
Dimensions	105 x 70 x 12 mm
Power input	max. 100 mA
Protocols	T=0, T=1, S=8, S=9, S=10, T=CL, Mifare
Mating cycles (chip card reader)	approx. 100,000
Manufacturer's warranty	2 years

Part Number	Color	Connection
ST-1275UAF	Light grey	USB
ST-1275UAE	Black	USB



SR-4044

SMART READER

PCMCIA chip card reader – when you're on the go!

FACTS & FEATURES

- PC-card (PCMCIA) chip card reader for laptops (PC card type II)
- PC/SC chip card reader
- CT-API and OCF support
- EMV 2000 terminal Level 1 approved
- Reading/writing ISO 7816 compliant chip cards
- For Windows 7, 2008, Vista, 2003, XP, 2000, ME, 98, Linux, MAC OS X
- FIPS 201 Certified

TECHNICAL SPECIFICATIONS:

Interface PCMCIA with 16 Mbps
 Dimensions 85 x 54 x 5 mm
 Protocols T=0, T=1, S=8, S=9, S=10

Part Number	Color	Connection
SR-4044	Silver	PCMCIA



SR-4300

SMART READER

ExpressCard™ chip card reader!

FACTS & FEATURES

- ExpressCard™ chip card reader for laptops
- PC/SC chip card reader
- CT-API and OCF support
- EMV 2000 terminal Level 1 approved
- Reading/writing ISO 7816 compliant chip cards
- For Windows 7, 2008, Vista, 2003, XP, 2000, ME, 98, Linux, MAC OS X
- FIPS 201 Certified

TECHNICAL SPECIFICATIONS:

Interface ExpressCard™ with 12 Mbps
 Dimensions 75 x 54 x 5 mm
 Protocols T=0, T=1, S=8, S=9, S=10

Part Number	Color	Connection
SR-4300	Silver	ExpressCard™



G83-14400 /-14500 /-14600 /-14700

FINGERTIP™ ID BOARD

Keyboard with finger print sensor!



M-4200

FINGERTIP™ ID MOUSE

G83-14400/14500 FACTS & FEATURES

- USB keyboard with fingerprint sensor and an optional PC/SC chip card reader
- Capacitive TCS1 fingerprint sensor from UPEK with TouchChip® technology 256 x 360 pixels
- PC/SC chip card reader, CardMan 3121 compatible (for G83-14400 only)
- For Windows 7, 2008, Vista, 2003, XP, 2000, MAC OS X

G83-14600/14700 FACTS & FEATURES

- USB keyboard with fingerprint sensor and an optional PC/SC chip card reader
- AES2501B slide sensor from AuthenTec with True Print® technology 192 x 16 pixel array
- PC/SC chip card reader, CardMan 3121 compatible (for G83-14600 only)
- For Windows 7, 2008, Vista, 2003, XP, 2000, MAC OS X

TECHNICAL SPECIFICATIONS:

Connection	USB
Dimensions	458 x 195 x 54 mm
Power input	max. 200 mA
Mating cycles (chip card reader)	approx. 100,000

Part Number	Color	Chip Card Reader	Software
G83-14401LPBUS-2	Black	Yes	Protector Suite 2009
G83-14501LPBUS-2	Black	No	Protector Suite 2009
G83-14601LPAEU-2	Black	Yes	Demo
G83-14701LPAEU-2	Black	No	Demo

FACTS & FEATURES

- UPEK's patented active capacitance sensing technology provides a higher level of immunity against disturbing effects than passive capacitive scanning
- With UPEK TCS2 TouchChip® sensor
- Resistant to electrical surges
- Matching on device possible
- Template on device possible
- For Windows 7, 2008, Vista, 2003, XP, 2000, MAC OS X

TECHNICAL SPECIFICATIONS:

Connection	USB
Number of keys	3 keys
Dimensions	approx. 127 x 67 x 41 mm
Fingerprint sensor resolution	508 dpi

Part Number	Color	Connection
M-4200	Silver/black	USB



INDUSTRIAL ORIGINAL CHERRY...

ROBUST KEYBOARDS AND INPUT DEVICES THAT YOU CAN RELY ON ANYTIME, ANYWHERE

Tough production and industrial environments make high demands on electronic systems. In particular, input devices for IT systems are often sensitive and can cause serious problems and high costs in the event of downtimes and malfunctions. However, this can be avoided ...

With the specially robust and durable products from CHERRY. Our decades-long experience in the development and production of input devices for industry speaks for itself.

CHERRY optimizes industrial products for especially tough operating environments. Durability and performance are top priorities for us. And, of course, integration possibilities – there are CHERRY products for practically every task and usage environment.

Regardless of your operating environment, CHERRY has the reliable products and solutions to withstand the test of time.

Sales Hotline: (262) 942-6500

Talk or chat live: Monday - Friday: 8 AM - 4:45 PM Central time
www.cherrycorp.com

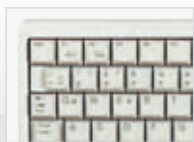
Technical Support: (800) 510-1689

Our service hours: Monday - Friday: 8 AM - 4:45 PM Central time
or email keyboardsupport@zf.com

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You can find corresponding accessories and software applications for the products on page 64 and onwards.

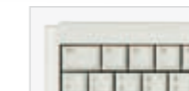


G84-4100
COMPACT
Compact keyboard

Perfection for even the smallest of spaces!



G84-4420
TRACKBALL
Ultra-slim compact keyboard



G84-4700
KEYPAD



GENERAL FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (ML technology)
- Designed for continuous usage – over 20 million operations per key
- High degree of reliability and unique, precise keystroke feel
- Ideal for limited space and 11" applications
- Can be used with the standard drivers of the operating system

G84-4100 FACTS & FEATURES

- Also available without Windows® keys (83/86 keys)
- All the functions of a standard keyboard

TECHNICAL SPECIFICATIONS:

Interface	USB / PS/2 combined
Dimensions	282 x 132 x 26 mm
Power input	USB: 16 mA PS/2: 4 mA

Part Number	Color	Number of Keys	Connection
G84-4100LCMUS-0	Light Grey	86	USB (PS/2 via adapter)
G84-4100LCMUS-2	Black	86	USB (PS/2 via adapter)
G84-4100LPAUS-0	Light Grey	83	PS/2
G84-4100PRAUS	Black (tampo print)	83	PS/2
G84-4100PTAUS	Black (tampo print)	86	USB (PS/2 via adapter)
G84-4100LCAUS-0	Light Grey	83	USB (PS/2 via adapter)
G84-4100PPAUS	Dark Grey	83	PS/2

G84-4420 FACTS & FEATURES

- Integrated optical trackball plus 2 mouse buttons
- Extremely flat – total height of just 20 mm and lightweight
- 83/84 keyboard layout with all the functions of a standard keyboard

TECHNICAL SPECIFICATIONS:

Interface	USB or PS/2
Dimensions	370 x 139 x 20 mm
Power input	45 mA

Part Number	Color	Connection	Scanning
G84-4420LUBEU-0	Light Grey	USB	Optical
G84-4420LUBEU-2	Black	USB	Optical
G84-4420LPBEU-0	Light Grey	PS/2	Optical
G84-4420LPBEU-2	Black	PS/2	Optical

G84-4700 FACTS & FEATURES

- 21 keys, 4 of them are relegendable
 - Variable decimal field separators, such as [.] , [,], [00], [000]
 - Additional programming of software macros
- PS/2 models
- 20 keys can be physically programmed (internal memory)
 - External standard keyboard can be connected to built-in PS/2 socket

TECHNICAL SPECIFICATIONS:

Interface	PS/2 or USB
Dimensions	90 x 132 x 36 mm
Power input	5 mA

Part Number	Color	Connection
G84-4700LPBEU-2	Black	PS/2
G84-4700LUCEU-0	Light Grey	USB
G84-4700LUCEU-2	Black	USB



G84-5200
COMPLETE KEYBOARD

XS - extra small

One size - three models!



G84-5400
TRACKBALL KEYBOARD

XS - extra small



G84-5500
TOUCHPAD KEYBOARD

XS - extra small

GENERAL FACTS & FEATURES

- High degree of reliability and precise keystroke feel due to individual keys with Gold Crosspoint contacts (Cherry ML technology)
- Ideal for continuous usage due to the long service life in excess of 20 million key operations for each key
- Compact dimensions and very low overall height, ideal for restricted spaces and for 15" applications
- Standard measurements and installation dimensions of the complete XS product range – the keyboard can be adapted to any application
- Lightweight – for applications where every gram counts
- Plug & Play – can be used with the operating system's standard drivers
- Supports Code Set 3 and UnifiedPOS
- Fastening option for permanent installation
- Pluggable feet for adjusting the tilt of the keyboard

G84-5200 FACTS & FEATURES

- Complete layout with number pad.
Ideal for applications with frequent input of numbers

TECHNICAL SPECIFICATIONS:

Interface	USB / PS/2 combined		
Length of cable	approx. 2.50 m		
Dimensions	374 x 139 x 18 mm		
Power input	25 mA		
Keyboard layout	103 (international) / 104 (European)		

Part Number	Color	Connection	
G84-5200LCMEU-2	Black	USB (PS/2 via adapter)	

G84-5400 FACTS & FEATURES

- Optical trackball with two mouse buttons for easy cursor control

TECHNICAL SPECIFICATIONS:

Interface	USB or PS/2	
Length of cable	approx. 2.50 m	
Dimensions	374 x 139 x 20 mm	
Power input	35 mA	
Keyboard layout	88 (international) / 89 (European)	

Part Number	Color	Connection
G84-5400LPMEU-2	Black	2x PS/2
G84-5400LUMEU-2	Black	USB

G84-5500 FACTS & FEATURES

- High quality touchpad with two mouse buttons for convenient cursor control

TECHNICAL SPECIFICATIONS:

Interface	USB or PS/2	
Length of cable	approx. 2.50 m	
Dimensions	374 x 139 x 18 mm	
Power input	35 mA	
Keyboard layout	88 (international) / 89 (European)	

Part Number	Color	Connection
G84-5500LPMEU-2	Black	2x PS/2
G84-5500LUMEU-2	Black	USB



G80-11900
TOUCHBOARD

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (MX technology)
- Designed for continuous usage – over 50 million confirmations per key
- Robust and reliable
- Space-saving and ergonomic
- Ideal for limited spaces and 16" applications
- Can be used with the standard drivers of the operating system
- USB keyboard: The following keys can be programmed freely using KeyM@n software (software macros) in 3 levels (press once together with CTRL, together with SHIFT): function keys F1 - F12, INSERT, DELETE, HOME, END, PAGE UP, PAGE DOWN, PRINT, PAUSE, comma and zero in the number pad.

TECHNICAL SPECIFICATIONS:

Interface	USB or PS/2		
Dimensions	415 x 193 x 37 mm		
Power input	PS/2: 35 mA/keyboard 3 mA/touchpad		
	USB: max. 100 mA		
Number of Keys	104/105		
Touchpad	Resolution: 1000 dpi 2 mouse keys		
Part Number	Color	Keyboard connection	Touchpad connection
G80-11900LPMEU-0	Light Grey	PS/2	PS/2
G80-11900LPMEU-2	Black	PS/2	PS/2
G80-11900LUMEU-0	Light Grey	USB	–
G80-11900LUMEU-2	Black	USB	–
G80-11900LTMEU-0	Light Grey	PS/2 w/AT	
G80-11900LTMEU-2	Black	PS/2 w/AT	



J86-4400
**VANDAL
PROOF KEYBOARD**

FACTS & FEATURES

- Durable stainless steel keytops and facia
- 67-key US layout for public-access kiosk applications
- Durable rubber mat switches with crisp tactile action
- Ultra-rugged trackball
- Meets IP67 standards when mounted in suitable enclosure
- Key layout includes five internet-friendly, customizable shortcut keys
- Manufacturer warranty: 1 year

TECHNICAL SPECIFICATIONS:

Interface	USB 2.0	
Dimensions	400 x 124 x 19 mm	
Cable Length	approx. 1.8 m	
Compact size	67 position US key Layout	
Trackball	Ball diameter; 38mm (1.5 inches) Trackball material; Phenolic lip seal: PTFE /rubber Resolution: 440 edges / revolution Reliability; 50,000 hrs MTBF	
Keys	Tactile rubber mat switch Typical operating force 130 gm Travel 0.7mm	
Part Number	Color	Connection
J86-4400LUAUS	Stainless Steel	USB



G86-52400
INDUSTRIAL MINI

FACTS & FEATURES

- Reduced-size keyboard with QWERTY layout
- Enhanced US 83-position key layout
- Robust product design with IP 54 spill and dust resistant key field for harsh environments
- Plug & Play configuration
- Manufacturer warranty: 2 years

TECHNICAL SPECIFICATIONS:

Interface	USB 2.0
Dimensions	300 x 160 x 25 mm (keyboard) 343 x 216 x 44 mm (packaging)
Cable length	approx. 1.85 m
Compact size	83 position key layout
Current input	typ. 35 mA
Part Number	Color
G86-52400EUADAA	Black



G86-62401
INDUSTRIAL COMPACT
 ALPHANUMERIC KEYBOARD LAYOUT

FACTS & FEATURES

- Full alphanumeric layout including number pad
- Enhanced 109 position key layout
- IP54-rated spill and dust resistant key pad
- Touchpad with 2 mouse keys (optional)
- Cut-out mounting capabilities (circumferential rim)
- For Windows 7, Vista, XP, 2000 and Linux
- Manufacturer warranty: 2 years

TECHNICAL SPECIFICATIONS:

Interface	USB 2.0
Dimensions	442 x 183 x 36 mm (keyboard) 493 x 249 x 46 mm (packaging)
Cable length	approx. 1.85 m
Power Input	max. 100 mA
Touchpad	Resolution: 1000 dpi 2 switch-activated mouse buttons
Part Number	Color
G86-62401EUADAA	Black



POS/POT ORIGINAL CHERRY...

INDIVIDUAL INPUT DEVICES AND SOFTWARE SOLUTIONS FOR POINT OF SALE SYSTEMS

The focus of today's technical development is on cash systems, sales and transaction terminals – and that's the way it should be. Everybody wants to shop and pay in a simple, quick and secure manner. All these requirements necessitate input systems with intelligent solutions and innovative ideas.

Ergonomics, durability and high compatibility. CHERRY has decades of experience in the development and production of input devices in the sales area.

From customized keyboard products, terminals and readers to innovative software solutions, CHERRY provides the technology of today and tomorrow. We advise on the planning and integration of CHERRY products and solutions in your POS/POTs and ensure maximum efficiency and flexibility.

Whatever developments you are planning, CHERRY guarantees you reliability and the highest performance levels.

Sales Hotline: (262) 942-6500

Talk or chat live: Monday - Friday: 8 AM - 4:45 PM Central time
www.cherrycorp.com

Technical Support: (800) 510-1689

Our service hours: Monday - Friday: 8 AM - 4:45 PM Central time
or email keyboardsupport@zf.com

PRODUCT OVERVIEW

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You can find corresponding accessories and software applications for the products on page 64 and onwards.



G86-62431

SPOS BIO

ALPHANUMERIC KEYBOARD LAYOUT WITH TOUCHPAD



G86-62461

SPOS BIO

ALPHANUMERIC KEYBOARD LAYOUT WITH TOUCHPAD AND MSR

FACTS & FEATURES

- Integrates UPEK TCS2 TouchChip® Biometric Sensor
- Multifunctional, fully programmable USB keyboard with extended alphanumeric keyboard layout. Optional magnetic card reader and touchpad
- Full alphanumeric layout including number pad
- Enhanced 106/117 position key layout
- IP54-rated spill and dust resistant key pad
- Fully programmable keyboard
- 3-track magnetic card reader with comprehensive programming options
- Touchpad with 2 mouse keys (optional)
- Flexible layout customization with exchangeable relegendable keys
- Integrated memory
- Cut-out mounting capabilities (circumferential rim)
- For Windows 7, Vista, XP, 2000 and Linux

Programmable, inscribable keys

- Accessory Kit with 1x2, 2x1, 2x2 multiple keys and key caps for flexible layout adjustment also available
- Programming of all keys on up to 3 levels (using software macros)
- Modifier keys can also be moved
- Quick display of the key configuration using hotkey

Professional software

- Physical programming (integrated memory) or via software macros with high performance configuration software Cherry Tools
- Plug & Play configuration
- UPOS for Windows® and Linux; client-server architectures supported
- Support for Windows® system functions
- Remote and quick installation of the macro configuration using Cherry Tools runtime software

TECHNICAL SPECIFICATIONS:

Interface	USB 2.0
Cable Length	approx. 1.85 m
Dimensions	358 x 198 x 38 mm (keyboard) 415 x 259 x 71 mm (packaging)
Power Input	max. 100 mA
Magnetic Strip Reader	
Standards:	ISO 7811/12, AAMVA, JIS
Read cycles	> 1 million cycles
Sensor	Resolution: 508 dpi Active array size 10.4 x 14.4 mm
Touchpad	Resolution: 1000 dpi 2 switch-activated mouse buttons

SPOS BIO – with alphanumeric keyboard layout

Part Number	Magnetic Card Reader Tracks	Color	Touchpad
G86-62430EUADAA		Black	-
G86-62431EUAEAA		Black	Yes
G86-62460EUADAA	1+2+3	Black	-
G86-62461EUAEAA	1+2+3	Black	Yes



G86-61411
SPOS
ALPHANUMERIC KEYBOARD LAYOUT WITH TOUCHPAD

FACTS & FEATURES

- Multifunctional, fully programmable USB keyboard with extended alphanumeric keyboard layout. Optional magnetic card reader and touchpad
- Full alphanumeric layout including number pad
- IP54-rated spill and dust resistant key pad
- Fully programmable keyboard
- 3-track magnetic card reader with comprehensive programming options
- Touchpad with 2 mouse keys (optional)
- Flexible layout customisation with exchangeable relegendable keys
- Integrated memory
- Cut-out mounting capabilities (circumferential rim)
- For Windows 7, Vista, XP, 2000 and Linux

Programmable, inscribable keys

- Accessory Kit with 1x2, 2x1, 2x2 multiple keys and key caps for flexible layout adjustment also available

- Customer-specific layouts (on request)
 - Programming of all keys on up to 3 levels (using software macros)
 - Modifier keys can also be moved
 - Quick display of the key configuration using hotkey
- Professional software
- Physical programming (integrated memory) or via software macros with high-performance configuration software Cherry Tools
 - Plug & Play configuration
 - UPOS for Windows® and Linux; client-server architectures supported
 - Support for Windows® system functions
 - Remote and quick installation of the macro configuration using Cherry Tools runtime software



G86-61410
SPOS
ALPHANUMERIC KEYBOARD LAYOUT

TECHNICAL SPECIFICATIONS:

Interface	USB
Dimensions	360 x 198 x 38 mm
Power input	max. 100 mA
Magnetic card reader	
Standards	ISO 7811/-12, AAAMVA, JIS others available on request
Read cycles	> 1,000,000

SPOS – with alphanumeric keyboard layout

Part Number	Magnetic Card Reader Tracks	Touchpad	Number of Buttons			Color
			All	Programmable	Inscribable	
G86-61400EUADAA	–	–	135	135	54	Black
G86-61400EUAEAA	–	–	135	135	54	Light Grey
G86-61401EUADAA	–	Yes	123	123	60	Black
G86-61401EUAEAA	–	Yes	123	123	60	Light Grey
G86-61410EUADAA	1+2+3	–	135	135	54	Black
G86-61410EUAEAA	1+2+3	–	135	135	54	Light Grey
G86-61411EUADAA	1+2+3	Yes	123	123	60	Black
G86-61411EUAEAA	1+2+3	Yes	123	123	60	Light Grey



G86-63411

SPOS

MATRIX KEYBOARD LAYOUT WITH TOUCHPAD

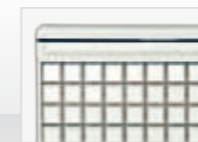
FACTS & FEATURES

- 142 / 130 keys matrix layout including number pad
- IP54-rated spill and dust resistant key pad
- Fully programmable keyboard
- 3-track magnetic card reader with comprehensive programming options
- Touchpad with 2 mouse keys (optional)
- Flexible layout customisation with exchangeable relegendable keys
- Comprehensive UPOS support
- Integrated memory
- Cut-out mounting capabilities (circumferential rim)
- For Windows 7, Vista, XP, 2000 and Linux

Programmable, inscribable keys

- Accessory Kit with 1x2, 2x1, 2x2 multiple keys and key caps for flexible layout adjustment also available

- Customer-specific layouts (on request)
 - Programming of all keys on up to 3 levels (using software macros)
 - Modifier keys can also be moved
 - Quick display of the key configuration using hotkey
- Professional software**
- Physical programming (integrated memory) or via software macros with high-performance configuration software Cherry Tools
 - Plug & Play configuration
 - UPOS for Windows® and Linux; client-server architectures supported
 - Support for Windows® system functions
 - Remote and quick installation of the macro configuration using Cherry Tools runtime software



G86-63410

SPOS

MATRIX KEYBOARD LAYOUT

TECHNICAL SPECIFICATIONS:

Interface	USB
Dimensions	360 x 198 x 38 mm
Power input	max. 100 mA
Magnetic card reader	
Standards	ISO 7811/-12, AAAMVA, JIS others available on request
Read cycles	> 1,000,000

SPOS – with matrix keyboard layout

Part Number	Magnetic Card Reader Tracks	Touchpad	Number of Buttons			Color
			All / Programmable / Inscriptible			
G86-63400EUADAA	–	–	142	142	142	Black
G86-63400EUAEAA	–	–	142	142	142	Light Grey
G86-63401EUADAA	–	Yes	130	130	130	Black
G86-63401EUAEAA	–	Yes	130	130	130	Light Grey
G86-63410EUADAA	1+2+3	–	142	142	142	Black
G86-63410EUAEAA	1+2+3	–	142	142	142	Light Grey
G86-63411EUADAA	1+2+3	Yes	130	130	130	Black
G86-63411EUAEAA	1+2+3	Yes	130	130	130	Light Grey



G86-71400
LPOS
 ALPHANUMERIC KEYBOARD LAYOUT

FACTS & FEATURES

- Multifunctional, fully programmable USB keyboard with extended alphanumeric keyboard layout. Optional magnetic card reader and touchpad
- Full alphanumeric layout including number pad
- IP54-rated spill and dust resistant key pad
- Fully programmable keyboard
- 3-track magnetic card reader with comprehensive programming options
- Touchpad with 2 mouse keys (optional)
- Flexible layout customization with exchangeable relegendable keys
- Integrated memory
- Cut-out mounting capabilities (circumferential rim)
- For Windows 7, Vista, XP, 2000 and Linux

Programmable, inscribable keys

- Accessory Kit with 1x2, 2x1, 2x2 multiple keys and key caps for

flexible layout adjustment also available

- Customer-specific layouts (on request)
- Programming of all keys on up to 3 levels (using software macros)
- Modifier keys can also be moved
- Quick display of the key configuration using hotkey

Professional software

- Physical programming (integrated memory) or via software macros with high performance configuration software Cherry Tools
- Plug & Play configuration
- UPOS for Windows® and Linux; client-server architectures supported
- Support for Windows® system functions
- Remote and quick installation of the macro configuration using Cherry Tools runtime software

TECHNICAL SPECIFICATIONS:

Interface	USB 2.0
Cable Length	approx. 1.85 m
Dimensions	442 x 183 x 36 mm (keyboard) 493 x 249 x 46 mm (packaging)
Power Input	max. 100 mA
Magnetic Strip Reader	
Standards:	ISO 7811/12, AAMVA, JIS
Read cycles	> 1 million cycles
Touchpad	Resolution: 1000 dpi 2 switch-activated mouse buttons

LPOS – with alphanumeric keyboard layout

Part Number	Magnetic Card Reader Tracks	Color	Touchpad
G86-71400EUADAA		Black	-
G86-71400EUAEAA		Black	-
G86-71401EUADAA		Black	Yes
G86-71401EUAEAA	1+2+3	Black	Yes
G86-71410EUADAA	1+2+3	Black	-
G86-71410EUAEAA	1+2+3	Black	-
G86-71411EUADAA	1+2+3	Black	Yes
G86-71411EUAEAA	1+2+3	Black	Yes



G86-51400

MPOS

ALPHANUMERIC KEYBOARD LAYOUT WITH TOUCHPAD

FACTS & FEATURES

- Reduced-size keyboard with QWERTY layout
- Enhanced US 83-position key layout
- Robust product design with IP 54 spill and dust resistant key field for harsh environments
- Plug & Play configuration for all common POS features
- Unique function enhancement with 'Cherry Tools' virtual programming
- Fully programmable keyboard for quick function calls
- Option for unlimited programmability of all keys in up to 3 layers provides convenient data access
- 'Moving of Keys' allows for easy key position exchange including modifier functions
- Pop-up window for comfortable display of programmed keys
- High performance 3-track magnetic stripe reader with freely programmable headers and terminators for each track
- Powerful 'Cherry Tools' configuration software allows for quick product set up and configuration
- Comprehensive UPOS support for Windows and Linux support of client-server architectures

TECHNICAL SPECIFICATIONS:

Interface	USB 2.0
Cable length	approx. 1.85 m
Dimensions	300 x 160 x 25 mm (keyboard) 343 x 216 x 44 mm (packaging)
Current input	typ. 35 mA
Magnetic Strip Reader	
Standards:	ISO 7811/12, AAMVA, JIS
Read cycles	> 1 million cycles
Compact size	83 position key layout

MPOS – with alphanumeric keyboard layout

Part Number	Magnetic Card Reader Tracks	Color
G86-51400EUADAA		Black
G86-51410EUADAA	1+2+3	Black



G81-7000
MULTIBOARD COMPACT

FACTS & FEATURES

- Available as a standard or compact version
- Mechanical individual keys (Cherry FTSC technology)
- Designed for continuous usage – over 50 million operations per key
- Programmable magnetic card reader
- Integrated memory
- OPOS and JavaPOS for Windows® and Linux
- Supports client-server architectures
- G81-7000 as a space-saving model – only 405 mm wide

PS/2 keyboard

- 43 programmable keys

USB keyboard

- Fully programmable keyboard
- Statistics provided via WMI
- Programming type can be selected – physically (memory) or via software macros

Magnetic card reader

- 3 track reader
- Freely-programmable header and terminator per track
- Filtering and replacement of magnetic card data (USB keyboard)
- Adjustable transmission of the start and end characters (sentinels) (USB keyboard)
- Freely selectable output sequence of the tracks (USB keyboard)
- Optional output of LRC bytes (USB keyboard)
- ALT sequence programming (USB keyboard)
- For Windows 7, Vista, XP, 2000 and Linux



G81-8000
MULTIBOARD STANDARD

TECHNICAL SPECIFICATIONS:

Interface	PS/2 or USB
Length of cable	PS/2: approx. 1.75 m USB: approx. 2.20 m
Dimensions	G81-7000: 405 x 220 x 64 mm G81-8000: 470 x 220 x 64 mm
Power input	PS/2: 35 mA USB: max. 100 mA
Magnetic card reader	
Decoding	Keyboard scan codes
Standards	ISO 7811/-12, AAMVA, Gemini, JIS 1 others available on request
Magnetic head	up to 1 million read cycles

G81-7000 compact version

Part Number	Magnetic Card Reader Tracks	Color	Connection
G81-7000LPAUS-0	1+2+3	Light Grey	PS/2
G81-7000LPAUS-2	1+2+3	Black	PS/2
G81-7000LPDEU-0	1+2+3	Light Grey	PS/2
G81-7000LPDEU-2	1+2+3	Black	PS/2
G81-7000LUVEU-0	1+2+3	Light Grey	USB
G81-7000LUVEU-2	1+2+3	Black	USB

G81-8000 standard version

Part Number	Magnetic Card Reader Tracks	Color	Connection
G81-8000LPAUS-0	1+2+3	Light Grey	PS/2
G81-8000LPAUS-2	1+2+3	Black	PS/2
G81-8000LPDEU-0	1+2+3	Light Grey	PS/2
G81-8000LPDEU-2	1+2+3	Black	PS/2
G81-8000LUVEU-0	1+2+3	Light Grey	USB
G81-8000LUVEU-2	1+2+3	Black	USB



G81-7040
V2 MULTIBOARD COMPACT



G81-8040
V2 MULTIBOARD FULL SIZE STANDARD

FACTS & FEATURES

- Available as a standard or compact version
- Mechanical individual keys (Cherry FTSC technology)
- Designed for continuous usage – over 50 million operations per key
- Programmable magnetic card reader
- PC/SC chip card reader with EMV 2000 approval
- Fully programmable USB 2.0 keyboard
- Integrated memory
- Statistics provided via WMI
- Programming type can be selected – physically (memory) or via software macros with Cherry Tools
- OPOS and JavaPOS for Windows® and Linux
- Supports client-server architectures
- G81-7040 as a space-saving model – just 405 mm wide

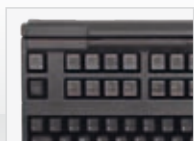
- Magnetic card reader**
 - 3-track reader
 - Freely-programmable header and terminator per track
 - Filtering and replacement of magnetic card data
 - Adjustable transmission of the start and end characters (sentinels)
 - Freely-selectable output sequence of the tracks
 - Optional output of LRC bytes
 - ALT sequence programming
- Chip card reader SmartTerminal EU44**
 - PC/SC chip card reader with CT-API support
 - Omnikey CardMan 3121 compatible
 - EMV 2000 Level 1 approval
 - Contact: landing contact

TECHNICAL SPECIFICATIONS:

Interface	USB
Length of cable	approx. 2.20 m
Dimensions	G81-7040: 405 x 220 x 64 mm G81-8040: 470 x 220 x 64 mm
Power input	max. 300 mA
Magnetic card reader	
Decoding	Keyboard scan codes
Standards	ISO 7811/-12, AAMVA, Gemini, JIS 1/2 others available on request
Magnetic head	up to 1 million read cycles
Chip 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)

Mating cycles	> 200,000
Transmission rate	to the card: max. 420 Kbps / to the system: max. 12 Mbps

G81-7040 compact version			
Part Number	Magnetic Card Reader Tracks	Color	Connection
G81-7040LUVU-2	1+2+3	Black	USB
G81-8040 standard version			
Part Number	Magnetic Card Reader Tracks	Color	Connection
G81-8040LUVU-2	1+2+3	Black	USB



G80-8113
MULTIBOARD STANDARD WITH TOUCHPAD



G80-8200
MULTIBOARD STANDARD

FACTS & FEATURES

- Individual keys with Gold Crosspoint contacts (MX technology)
- Designed for continuous usage – over 50 million operations per key
- G80-8113: touchpad
- Programmable magnetic card reader
- Relegendable keys
- Extended layout (120/121 keys)
- Integrated memory
- OPOS and JavaPOS for Windows® and Linux
- Supports client-server architectures

PS/2 keyboard

- 59 programmable keys (41 inscribable)

USB keyboard

- Fully programmable USB 2.0 keyboard

- Statistics provided via WMI
 - Programming type can be selected – physically (memory) or via software macros with Cherry Tools
- Magnetic card reader
- 3 track reader
 - Freely-programmable header and terminator per track
 - Filtering and replacement of magnetic card data (USB keyboard)
 - Adjustable transmission of the start and end characters (sentinels) (USB keyboard)
 - Freely selectable output sequence of the tracks (USB keyboard)
 - G80-8113: Support for Windows® system functions
 - Optional output of LRC bytes (USB keyboard)
 - ALT sequence programming (USB keyboard)
 - For Windows 7, Vista, XP, 2000 and Linux

TECHNICAL SPECIFICATIONS:

Interface	PS/2 or USB
Length of cable	PS/2: approx. 1.75 m USB: approx. 2.20 m
Dimensions	470 x 220 x 64 mm
Power input	PS/2: 35 mA USB: max. 100 mA
G80-8113 touchpad	Resolution of 1000 dpi plus 2 mouse keys
Magnetic card reader:	
Decoding	Keyboard scan codes
Magnetic head	up to 1 million read cycles
Standards	ISO 7811/-12 AAMVA, Gemini, JIS 1/2 others available on request

G80-8113

Part Number	Magnetic Card Reader Tracks	Color	Connection
G80-8113LRAUS-0	1+2+3	Light Grey	PS/2
G80-8113LRAUS-2	1+2+3	Black	PS/2
G80-8113LRDEU-0	1+2+3	Light Grey	2xPS/2
G80-8113LRDEU-2	1+2+3	Black	2xPS/2
G80-8113LUVEU-0	1+2+3	Light Grey	USB
G80-8113LUVEU-2	1+2+3	Black	USB

G80-8200

Part Number	Magnetic Card Reader Tracks	Color	Connection
G80-8200LPEUS-2	1+2+3	Black	PS/2
G80-8113LRAUS-2	1+2+3	Black	PS/2
G80-8200LPDEU-0	1+2+3	Light Grey	PS/2
G80-8200LPDEU-2	1+2+3	Black	PS/2
G80-8200LUVEU-0	1+2+3	Light Grey	USB
G80-8200LUVEU-2	1+2+3	Black	USB



PERFECT PROTECTION AND ADAPTER SOLUTIONS FOR YOUR KEYBOARD

PROTECTIVE KEYBOARD COVERS

Flexible keyboard protective film

Protects the keyboard against liquids, dust and foreign bodies

TECHNICAL SPECIFICATIONS:

Material: 100% polyurethane w/UV inhibitor
 Maximum Service Temperature: °F -60° to 200°
 °C -53° to 93°
 Thickness: 10.5 mil

Part Number	Plastic Keyboard Cover for	Keyboard Series	Part Number	Plastic Keyboard Cover for	Keyboard Series
KBCV-11900W	all US layout	G80-11900 models**	KBCV-61401W	all	G86-61401 models
KBCV-14000W	all US layout	G83-14xxx models with smart card reader	KBCV-62401W	all	G86-62401 models
KBCV-14100W	all US layout	G83-14xxx models without smart card reader	KBCV-62410W	all	G86-62410 models
KBCV-1800N	all US layout	G8x-1800 models without 'Windows keys'	KBCV-62411W	all	G86-62411 models
KBCV-1800W	all US layout	G8x-1800 models with 'Windows keys'	KBCV-6700W	all	G83-67xx models
KBCV-4100N	all	G84-4100 models without 'Windows keys'	KBCV-7000W	all	G81-7000 models with 2 & 3 track magnetic stripe reader
KBCV-4100W	all	G84-4100 models with 'Windows keys'	KBCV-8000W	all	G81-8000 models with 2 & 3 track magnetic stripe reader
KBCV-4400	all US layout	G84-4400 models*	KBCV-8113W	all	G80-8113 models
KBCV-6100W	all	G83-6104 models with 'Windows keys'	KBCV-8200W	all	G80-8200 models with 2 & 3-track magnetic stripe reader

* Trackball lies in a hole punched in the film. Keys are under the film.

** Touchpad covered by film. This ensures the touchpad functionality.



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

EUROPEAN KEYBOARD LAYOUT

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

Example: G80-3000LPMDE-0 = German layout
 G81-3000LRNIT-0 = Italian layout
 G83-6105LUNGB-0 = UK English layout
 M85-25835FR = French layout
 xx in the number code of the keyboard

Possible country variants, others available on request.



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

INTERNATIONAL KEYBOARD LAYOUT

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

Example: G81-3000LRNUS-0 = US English layout
 G83-6104LUNEU-0 = US English / international
 xx in the number code of the keyboard

Possible country variants, others available on request.



Ingeniously simple solutions that make your keyboard or mouse even more versatile

KeyM@n

KeyM@n is a very powerful and versatile software application. It enables you to freely assign additional keys and buttons on the keyboard and mouse. You can assign links, programs, system functions and even freely definable text.

This means you can call up frequently used functions at the touch of a button.

KeyM@n for Windows®

Current software version 3.5

Operating systems: Windows 2000, Windows XP, Windows Vista

Languages: English, German, French, Spanish, Italian

Software updates

The current version of our software is available as a free download under <http://support.cherry.de>

Protector Suite 2009

The Protector Suite 2009 is a security software application for notebooks and desktop computers. The user can administer logging onto the operating system securely.

They can also replace passwords for websites with a fingerprint and save confidential information in an encrypted form. Intuitive user guidance minimises support costs and raises user acceptance.

Windows Logon/Windows Lock: Secures Windows logon with a fingerprint

Fast User Switching: Allows every user to access his account with a fingerprint

Password Bank: "Learns and saves" passwords for single sign-ons (SSO) to websites and Windows® applications

For Windows 7, Vista and XP with Microsoft .NET 3.0 and above.

Cherry Tools

Configuration software

Cherry Tools allows you to edit the configuration of your keyboard, the keys and magnetic card and barcode readers. The configuration settings can be saved as a file. The keyboard need not necessarily be connected to the computer.

Functions:

- Configuration of the keyboard and integrated devices (magnetic and readers, barcode readers)
- Programming of keys and additional keys
- Updating the keyboard firmware

Supported keyboards:

- MultiBoard (G8x-7xxx and G8x-8xxx series)
- XS keyboards (G84-5xxx series)
- MPOS (G86-5x4xx series)
- SPOS (G86-6x4xx series)
- LPOS (G86-7x4xx series)
- G84-4700 keypad

Can be used under MS Windows® 7, VISTA, XP, 2000, ME, 98 SE

Cherry Tools Runtime

Configuration and driver software without user interface

Cherry Tools Runtime ports existing configuration files onto other computers. It supports software (virtual) programming. If you switch your keyboard to a different computer, the configuration of the virtually programmable keyboard 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 configurations.

Functions:

- Installs configuration files when switching to other computers (virtual programming only)

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

Cherry OPOS support

OPOS (OLE for POS) enables simple integration of different Point of Sale (POS) hardware in the relevant applications. Win32 components in accordance with UnifiedPOS specification.

Content: Service Objects and Demo applications

Device classes:

- Magnetic stripe readers
- Keyboards
- Barcode scanners

Setup variants:

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

Client edition: For installation on clients under the following operating systems: Windows 2000, XP, XPembedded, VISTA, (supports Citrix Metaframe and MS Windows Terminal Server)

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

OPOS-capable Cherry keyboards:

- MultiBoard (G8x-7xxx and G8x-8xxx series)
- XS keyboards (G84-5xxx series)
- MPOS (G86-5x4xx series)
- SPOS (G86-6x4xx series)
- LPOS (G86-7x4xx series)

JavaPOS support for Windows®

JavaPOS (Java for POS) enables simple integration of different Point of Sale (POS) hardware in relevant applications. Components in accordance with UnifiedPOS specification.

Content: Service Objects and Demo applications

Device classes:

- Magnetic stripe readers
- Keyboards

Setup variants:

Local edition: For installation on standalone systems under the following operating systems: Windows 98 ME, NT4 (SP6), 2000, XP, XPembedded (No client / server support), VISTA

Client edition: For installation on clients under the following operating systems: Windows 2000, XP, XPembedded, VISTA, (supports Citrix Metaframe and MS Windows Terminal Server)

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

JavaPOS-capable Cherry keyboards:

- MultiBoard (G8x-7xxx and G8x-8xxx series)
- XS keyboards (G84-5xxx series)
- MPOS (G86-5x4xx series)
- SPOS (G86-6x4xx series)
- LPOS (G86-7x4xx series)

JavaPOS support for Linux

JavaPOS (Java for POS) enables simple integration of different Point of Sale (POS) hardware in relevant applications. Components in accordance with UnifiedPOS specification.

Content: Service objects and the corresponding kernel modules

Device classes:

- Magnetic stripe readers
- Keyboards

JavaPOS-capable Cherry keyboards:

- MultiBoard (G8x-7xxx and G8x-8xxx series)
- XS keyboards (G84-5xxx series)
- MPOS (G86-5x4xx series)
- SPOS (G86-6x4xx series)
- LPOS (G86-7x4xx series)

FEEL THE KEY DIFFERENCES

Keyboard technology

The most important properties of a computer keyboard are the actuation force and actuation path – the haptics. Due to its optimum key haptics, secure contacts and high quality of its keyboards, Cherry has managed to become the market leader in Europe in the field of business and professional keyboards over many years.

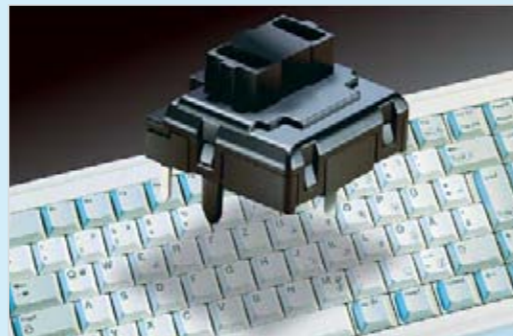
In principle, there are three fundamental technologies behind Cherry keyboards:

- Keyboards with mechanical individual modules on a circuit board (MX and ML)
- Keyboards with mechanical individual keys on contact membranes (FTSC)
- Keyboards with an elastomer dome on a contact membrane (NTK, ATK, LPK, SX)

All of these technologies – regardless of whether mechanical or elastomer keys are in use – are characterised by long or extremely long service lives and guarantee reliable functionality, even in tough operating conditions. All of our Cherry keyboards retain their key labelling, which is rich in contrast and non-wearing during their service lives.



MX technology



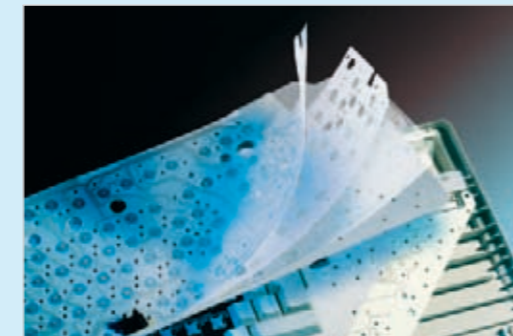
ML technology

1. TECHNOLOGY WITH MECHANICAL INDIVIDUAL KEYS

This category includes MX and ML.

In the MX/ML technology the key caps are mounted on individual modules that are located on a circuit board. They behave like small switches that close a contact on actuation. This contact is then processed by evaluation electronics. With both technologies, we use our special Gold Crosspoint contacts for high switching security and long service life.

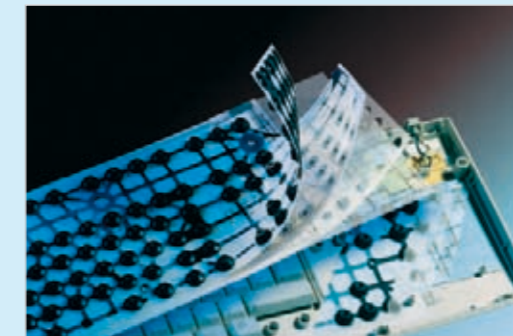
The keys enable the installation of decoupling diodes which facilitate particularly quick key recognition times. The construction of these key-modules gives the user a precise feel, with MX available in three types – linear, soft or “click”; with ML we offer a soft pressure point.



FTSC technology

2. KEYBOARDS WITH MECHANICAL INDIVIDUAL KEYS ON CONTACT MEMBRANES

FTSC technology involves individual modules that are attached to a sturdy metal panel via a contact membrane film. The switch function is not made in the module itself, but in the membrane film. This technology ensures an extremely long service life.



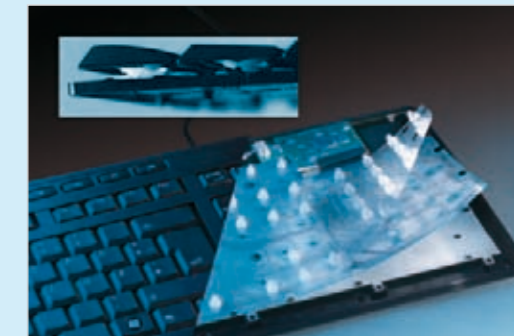
NTK technology

3. KEYBOARDS WITH ELASTOMER DOME ON A CONTACT MEMBRANE

The key caps are integrated directly in the upper casing part (except for SX). Every time a key is pressed, the key meets a malleable elastomer dome. This creates the feeling of actuation and switches the contact membrane located below.

The key-pressing feeling is largely influenced by the properties of the rubber mat and the length of the key guide in the housing. The various models of this technology differ in terms of the possible height of the keys.

The flattest keyboards are produced using the SX series keys, made possible with the addition of a scissor mechanism under each key. This gives the lowest possible key height and also gives soft, whisper key-strokes with its special key guides.



SX technology



LPK technology

FAST, DIRECT AND COMPETENT...

CHERRY WILL BE HAPPY TO HELP YOU.

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- Technical support: (800) 510-1689
Our Service hours: Monday - Friday: 8 AM - 4:45 PM Central time
- E-mail: keyboardsupport@zf.com



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- All products with technical data, highlights and features
- Equipment variants and other information
- Service and Download Centre and much more

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EVEN MORE CHOICE...

CHERRY MEANS VERSATILITY – DISCOVER OUR COMPLETE PRODUCT RANGE.

Whether B2B or B2C – we have a huge range of products and services. This is the result of many years of development and production of computer input devices. Please turn over.

Desktops								
Product name	B.UNLIMITED	ORCA	MARLIN SMART	BARRACUDA XT	PURE	SIRIUS XT	CONTROL XT	INITIAL DESKTOP*
Order number	M85-26000-2	M85-25835	M85-25810	M85-25805	JD-0100	M82-24800	M82-24810	M82-27000
Ideal for ...	Technology freaks	Design lovers	Technology freaks	Technology freaks	Design lovers	The price-conscious	The price-conscious	Savers
Designed in Germany	●	●	●	●	●	●	●	●
Manufacturer's warranty	-	5 years	5 years	5 years	3 years	3 years	3 years	3 years
Connection	USB	USB	USB	USB	USB	USB	USB	USB
Corded / Wireless	Wireless	Wireless	Wireless	Wireless	Wireless	Wireless	Wireless	Corded
Length / Range	approx. 10 m	approx. 10 m	approx. 10 m	approx. 10 m	approx. 10 m	approx. 10 m	approx. 10 m	approx. 1.80 m
Keyboard features								
Ultra-silent	●	●	●	●	-	-	-	-
Height	Ultra-flat	Ultra-flat	Ultra-flat	Ultra-flat	Flat	Flat	Flat	Flat
Rechargeable	●	-	-	-	-	-	-	-
Office/Media keys	4 HotKeys	10 HotKeys	10 HotKeys	10 HotKeys	10 HotKeys	10 HotKeys	10 HotKeys	5 HotKeys
Special features	Charging function	Trend-Design	-	-	Gloss finish	preiswert	Silver edition	Gloss finish
Mouse features								
Scanning / Resolution	Optical	Laser	Laser	Optical	Optical	Optical	Optical	Optical
Number of buttons	3 buttons	5 buttons+dpi switch	5 buttons+dpi switch	5 buttons	5 buttons	5 buttons	5 buttons	3 buttons
Design	Symmetrical	Right-handed	Right-handed	Symmetrical	Symmetrical	Symmetrical	Symmetrical	Symmetrical
Special features	Rechargeable	Ergonomic	Ergonomic	-	Gloss finish	preiswert	Silver edition	Gloss finish

Keyboards									
Product name	STRAIT	JK-0200	JK-0210	EASYHUB	STREAM XT	STREAM XT	INITIAL	INITIAL FOR MAC	STANDARD
Order number	JK-0300	JK-0200	JK-0210	JK-0100	G85-23110	G85-23100-0	G82-27000	G82-27020	G83-6000
Ideal for ...	Design lovers	Design lovers	Design lovers	USB users	Heavy users		Heavy users	Mac users	Heavy users
Designed in Germany	●	●	●	●	●	●	●	●	●
Manufacturer's warranty	5 years	5 years	5 years	5 years	3 years		3 years	3 years	-
Connection	USB	USB	USB	USB	USB / PS/2		USB	USB	USB
Corded / Wireless	Corded	Corded	Corded	Corded	Corded	STREAM XT	Corded	Corded	Corded
Length / Range	approx. 1.80 m	approx. 1.80 m	approx. 1.80 m	approx. 1.80 m	approx. 1.80 m	G85-23100-2	approx. 1.80 m	approx. 1.80 m	approx. 1.75 m
Ultra-silent	●	●	●	●	●		-	-	-
Height	Ultra-flat	Ultra-flat	Ultra-flat	Ultra-flat	Ultra-flat		Flat	Flat	Compact
Protected against splash water	-	●	●	●	●		●	●	-
Office/Media keys	5 HotKeys	11 HotKeys	11 HotKeys	11 HotKeys	6 HotKeys		5 HotKeys	-	-
Special features	Metallic look	Gloss finish	Metallic look	USB connection	Spill-resistant		Gloss finish	Mac layout	Office keyboard

Mice								
Product name	GENTIX	XANA	XERO	LIFE NANO	NOVEX	AZURO	PASSENGER	PASSENGER
Order number	JM-0300	JM-0200	JM-0100	M-300R	JW-0100	M-305	M-T3000	M-T3030
Ideal for ...	The price-conscious	Design lovers	Office users	Notebook users	Design lovers	Notebook users	Notebook users	Notebook users
Designed in Germany	●	●	●	●	●	-	●	●
Manufacturer's warranty	-	5 years	3 years	5 years	3 years	-	3 years	3 years
Connection	USB	USB	USB	USB	USB	USB	USB	USB
Corded / Wireless	Corded	Corded	Corded	Wireless	Wireless	Wireless	Wireless	Wireless
Length / Range	approx. 1.80 m	approx. 1.80 m	approx. 1.80 m	approx. 5 m	approx. 10 m	approx. 10 m	approx. 1.2 m	approx. 1.2 m
Scanning / Resolution	Optical	Laser	Optical	Laser	Optical	Optical	Optical	Optical
Number of buttons	3 buttons	5 buttons+dpi switch	5 buttons+dpi switch	5 buttons+dpi switch	5 buttons	5 buttons+dpi switch	3 buttons	3 buttons
Design	Symmetrical	Right-handed	Right-handed	Right-handed	Symmetrical	Right-handed	Symmetrical	Symmetrical
Special features	Blue light	Rubber sides	Rubber sides	Nano-Receiver	Tilt-Wheel	dpi-Schalter	Insertable receiver	Insertable receiver

Mice			
Product name	JUNIOR	TRAVELLER	KIDS MOUSE
Order number	M-T1000	M-T2000	JM-C0110
Ideal for ...	Notebook users	Notebook users	Children
Designed in Germany	●	●	-
Manufacturer's warranty	3 years	3 years	3 years
Connection	USB	USB	USB
Corded / Wireless	Corded	Corded	Corded
Length / Range	approx. 0.9 m	approx. 0.9 m	approx. 2 m
Scanning / Resolution	Optical	Laser	Optical
Number of buttons	3 buttons	3 buttons	3 buttons
Design	Symmetrical	Symmetrical	Symmetrical
Special features	Compacte Abmessung	Silver edition	Mouse mat

* only selectable with German layout

Card readers		
Product name	SMARTTERMINAL	SMARTTERMINAL
Order number	ST-2000	ST-1044
Ideal for ...	securing your data	securing your data
Designed in Germany	●	●
Manufacturer's warranty*	-	-
Connection	USB	USB
Corded / Wireless	Corded	Corded
Length / Range	approx. 1.75 m	approx. 1.75 m
Smartcard protocols	T=0, T=1, S=0, S=1, S=10	T=0, T=1, S=0, S=1, S=10
Special features	PIN pad	Single-handed operation