



## KW 550 MX LP

DATASHEET

# CHERRY KW 550 MX LP

## MECHANICAL, SLIM AND COMPACT

The advanced CHERRY MX Low Profile 2.0 switches enable a modern, flat design without dispensing with the benefits of a mechanical keyboard. Enjoy a short keystroke with fast release and without giving up the characteristic feel of CHERRY MX! The compact 96% layout, or 1800 layout, gives you more space on your desk and allows your shoulders to take on a more natural posture. However, you also retain access to the number block.

## MULTI-DEVICE CONTROL

Connect up to four devices simultaneously via a cable channel, or three Bluetooth channels. This allows you to control computers, notebooks, tablets or smartphones, and conveniently switch back and forth at the touch of a button.

## ABRASION-RESISTANT PBT KEY CAPS

The in-house PBT key caps are manufactured using a complex double-shot, or two-component, injection molding process. This means that there is no need for printing or loading. The letters are injected directly from the plastic and are therefore permanently abrasion-resistant. In addition, this material has a positive effect on the typing experience and ensures a highly satisfying muffled sound when typing.

## LIGHTING

All the other keys also have integrated LEDs. The white key lighting features 10 dimming levels or can be turned off completely. Status keys such as Channels 1–4, CAPS LOCK, NUM LOCK and WIN have an additional color LED. This way, each key tells you whether its associated function is activated. There is even an RGB LED under the CHERRY key that shows you the battery status during charging. With a full charge, you can work for several weeks, depending on the selected lighting and mode of operation. It can even work for one year or more when the lighting is switched off.

## FOR USERS WHO WANT IT ALL

The CHERRY KW 550 MX LP is a complete mechanical keyboard and a modern slim keyboard all in one. It has all the standard keys, including a number pad, while remaining compact. It is illuminated, rechargeable and displays high attention to detail and an uncompromising quality, making it the perfect all-rounder for anyone who wants performance and design without compromise.



## HIGHLIGHTS

- Multi-device management: Three Bluetooth® 5.2 channels and one cable channel for up to four devices
- With the brand new CHERRY MX Low Profile 2.0 switches - Made in Germany
- White key lighting and additional color LEDs for status and special keys
- Removable USB-A to USB-C cable for data transfer and charging the lithium battery
- RGB LED in the CHERRY button indicates the charge level
- Stable, fold-out feet for height adjustment
- In-house double-shot key caps made of PBT for perfect abrasion resistance, pleasant typing feel and improved acoustics

## SCOPE OF DELIVERY

- Keyboard
- Manual
- USB-cable

# TECHNICAL DATA

## PRODUCT INFORMATION

Model number	G8A-25510
Reliability	MTBF 90: > 10 Mio.
Warranty	2 years warranty
Product approvals	<ul style="list-style-type: none"><li>- CE</li><li>- EU RoHS</li><li>- UKCA</li><li>- FCC</li><li>- SRRC</li></ul>
Software support	CHERRY KEYS
Operating system	<ul style="list-style-type: none"><li>- Windows 7</li><li>- Windows 10</li><li>- Windows 10 or higher</li></ul>
System Requirements-Hardware	USB-C

## TEMPERATURE

Min. operating temperature	0 °C
Max. operating temperature	40 °C

## CABLE

Cable length	180 cm
--------------	--------

## KEYBOARD

Keycap material	PBT
Palm rest	Palm rest not available

USB-Hub	no
Adjustable feet	yes
Status LEDs	in keys
Key technology	Mechanical
Service life per key (in million strokes)	100 mio. actuations
Max. current consumption (mA) of keyboard	500 mA
Keyboard format	Compact (96%)
Integrated metal plate	no
Volume (dB) of keyboard	40 db
N-Key Rollover	yes
Anti-ghosting	yes
Key encryption	AES-128
Response time	1 ms
Windows key	with Windows key
Hotswap	no

## BLUETOOTH

Connection via Bluetooth	yes
Encryption in Bluetooth mode	yes
Bluetooth protocol	Bluetooth® 5.2
Bluetooth range	2,400 m

## BATTERY

Number of batteries	1
Battery type	Li-Ion

Battery design	Special
Battery rechargeable	yes
Battery replaceable	no
Battery charging socket	USB-C
Maximum Charging Capability	1,400 mW
Minimum Charging Capability	1,300 mW

# PRODUCT VARIANTS

<b>PART NUMBER</b>	<b>LAYOUT</b>	<b>COLOUR</b>	<b>SWITCHES</b>
G8A-25510HOACN-2	CN (China)	black	CHERRY MX LOW PROFILE 2.0 IVORY
G8A-25510HOADE-2	DE (Germany)	black	CHERRY MX LOW PROFILE 2.0 IVORY
G8A-25510HOAUS-2	US (USA)	black	CHERRY MX LOW PROFILE 2.0 IVORY
G8A-25510HJACN-2	CN (China)	black	CHERRY MX LOW PROFILE RED
G8A-25510HOACN-1	CN (China)	white	CHERRY MX LOW PROFILE 2.0 IVORY
G8A-25510HJACN-1	CN (China)	white	CHERRY MX LOW PROFILE RED

## KW 550 MX LP [G8A-25510HOACN-2]



**Layout:** CN (China)

**Product colour:** Black

**Switches:** CHERRY MX LOW PROFILE 2.0 IVORY

---

Part number	G8A-25510HOACN-2
EAN	4025112118784

---

### PRODUCT INFORMATION

---

Model number	G8A-25510
Reliability	MTBF 90: > 10 Mio.
Warranty	2 years warranty
Product approvals	<ul style="list-style-type: none"><li>- CE</li><li>- EU RoHS</li><li>- UKCA</li><li>- FCC</li><li>- SRRC</li></ul>
Software support	CHERRY KEYS
Operating system	<ul style="list-style-type: none"><li>- Windows 7</li><li>- Windows 10</li><li>- Windows 10 or higher</li></ul>
System Requirements-Hardware	USB-C
Dimensions inc. packaging	407 mm × 174 mm × 35 mm   1,038 g

---

### TEMPERATURE

---

Min. operating temperature	0 °C
Max. operating temperature	40 °C

---

### CABLE

---

Cable length	180 cm
--------------	--------

---

## KEYBOARD

Keycap material	PBT
Palm rest	Palm rest not available
USB-Hub	no
Number of keys	99
Illumination	white
Adjustable feet	yes
Status LEDs	in keys
Key technology	Mechanical
Service life per key (in million strokes)	100 mio. actuations
Max. current consumption (mA) of keyboard	500 mA
Keyboard format	Compact (96%)
Integrated metal plate	no
Volume (dB) of keyboard	40 db
N-Key Rollover	yes
Anti-ghosting	yes
Key encryption	AES-128
Response time	1 ms
Windows key	with Windows key
Hotswap	no

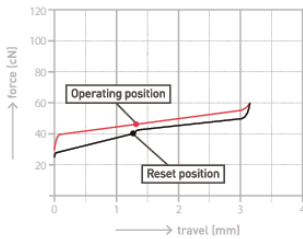
## BLUETOOTH

Connection via Bluetooth	yes
Encryption in Bluetooth mode	yes
Bluetooth protocol	Bluetooth® 5.2
Bluetooth range	2,400 m

## BATTERY

Number of batteries	1
Battery type	Li-Ion

Battery design	Special
Battery rechargeable	yes
Battery replaceable	no
Battery charging socket	USB-C
Maximum Charging Capability	1,400 mW
Minimum Charging Capability	1,300 mW



### SWITCHES: MX1B-L2NA

Operating life	>100m.
stem colour	red
Pre-Travel	1,2 mm
Spring	Stainless steel
Cover colour	transparent
Bottom housing colour	translucent
Actuation force	50 cN
Actuation point force	50 cN
Initial force	30 cN
Final force	100 cN
Dimensions inc. packaging	240 mm × 240 mm × 110 mm   1.4 g

## KW 550 MX LP [G8A-25510HOADE-2]



**Layout:** DE (Germany)

**Product colour:** Black

**Switches:** CHERRY MX LOW PROFILE 2.0 IVORY

---

Part number	G8A-25510HOADE-2
-------------	------------------

---

EAN	4025112119460
-----	---------------

---

### PRODUCT INFORMATION

---

Model number	G8A-25510
--------------	-----------

---

Reliability	MTBF 90: > 10 Mio.
-------------	--------------------

---

Warranty	2 years warranty
----------	------------------

---

Product approvals	<ul style="list-style-type: none"><li>- CE</li><li>- EU RoHS</li><li>- UKCA</li><li>- FCC</li><li>- SRRC</li></ul>
-------------------	--

---

---

Software support	CHERRY KEYS
------------------	-------------

---

Operating system	<ul style="list-style-type: none"><li>- Windows 7</li><li>- Windows 10</li><li>- Windows 10 or higher</li></ul>
------------------	---

---

---

System Requirements-Hardware	USB-C
------------------------------	-------

---

Dimensions inc. packaging	407 mm × 174 mm × 35 mm   1,038 g
---------------------------	-----------------------------------

---

### TEMPERATURE

---

Min. operating temperature	0 °C
----------------------------	------

---

Max. operating temperature	40 °C
----------------------------	-------

---

### CABLE

---

Cable length	180 cm
--------------	--------

---

## KEYBOARD

Keycap material	PBT
Palm rest	Palm rest not available
USB-Hub	no
Number of keys	100
Illumination	white
Adjustable feet	yes
Status LEDs	in keys
Key technology	Mechanical
Service life per key (in million strokes)	100 mio. actuations
Max. current consumption (mA) of keyboard	500 mA
Keyboard format	Compact (96%)
Integrated metal plate	no
Volume (dB) of keyboard	40 db
N-Key Rollover	yes
Anti-ghosting	yes
Key encryption	AES-128
Response time	1 ms
Windows key	with Windows key
Hotswap	no

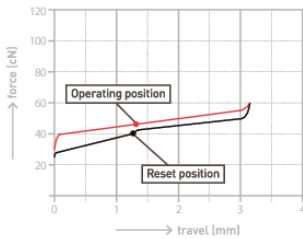
## BLUETOOTH

Connection via Bluetooth	yes
Encryption in Bluetooth mode	yes
Bluetooth protocol	Bluetooth® 5.2
Bluetooth range	2,400 m

## BATTERY

Number of batteries	1
Battery type	Li-Ion

Battery design	Special
Battery rechargeable	yes
Battery replaceable	no
Battery charging socket	USB-C
Maximum Charging Capability	1,400 mW
Minimum Charging Capability	1,300 mW



### SWITCHES: MX1B-L2NA

Operating life	>100m.
stem colour	red
Pre-Travel	1,2 mm
Spring	Stainless steel
Cover colour	transparent
Bottom housing colour	translucent
Actuation force	50 cN
Actuation point force	50 cN
Initial force	30 cN
Final force	100 cN
Dimensions inc. packaging	240 mm × 240 mm × 110 mm   1.4 g

## KW 550 MX LP [G8A-25510HOAUS-2]



**Layout:** US (USA)

**Product colour:** Black

**Switches:** CHERRY MX LOW PROFILE 2.0 IVORY

Part number	G8A-25510HOAUS-2
EAN	4025112119446
UPC	840183609207

### PRODUCT INFORMATION

Model number	G8A-25510
Reliability	MTBF 90: > 10 Mio.
Warranty	2 years warranty
Product approvals	<ul style="list-style-type: none"><li>- CE</li><li>- EU RoHS</li><li>- UKCA</li><li>- FCC</li><li>- SRRC</li></ul>
Software support	CHERRY KEYS
Operating system	<ul style="list-style-type: none"><li>- Windows 7</li><li>- Windows 10</li><li>- Windows 10 or higher</li></ul>
System Requirements-Hardware	USB-C
Dimensions inc. packaging	407 mm × 174 mm × 35 mm   1,038 g

### TEMPERATURE

Min. operating temperature	0 °C
Max. operating temperature	40 °C

### CABLE

Cable length	180 cm
--------------	--------

## KEYBOARD

Keycap material	PBT
Palm rest	Palm rest not available
USB-Hub	no
Number of keys	99
Illumination	white
Adjustable feet	yes
Status LEDs	in keys
Key technology	Mechanical
Service life per key (in million strokes)	100 mio. actuations
Max. current consumption (mA) of keyboard	500 mA
Keyboard format	Compact (96%)
Integrated metal plate	no
Volume (dB) of keyboard	40 db
N-Key Rollover	yes
Anti-ghosting	yes
Key encryption	AES-128
Response time	1 ms
Windows key	with Windows key
Hotswap	no

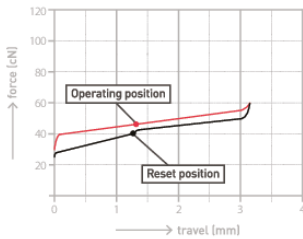
## BLUETOOTH

Connection via Bluetooth	yes
Encryption in Bluetooth mode	yes
Bluetooth protocol	Bluetooth® 5.2
Bluetooth range	2,400 m

## BATTERY

Number of batteries	1
Battery type	Li-Ion

Battery design	Special
Battery rechargeable	yes
Battery replaceable	no
Battery charging socket	USB-C
Maximum Charging Capability	1,400 mW
Minimum Charging Capability	1,300 mW



### SWITCHES: MX1B-L2NA

Operating life	>100m.
stem colour	red
Pre-Travel	1,2 mm
Spring	Stainless steel
Cover colour	transparent
Bottom housing colour	translucent
Actuation force	50 cN
Actuation point force	50 cN
Initial force	30 cN
Final force	100 cN
Dimensions inc. packaging	240 mm × 240 mm × 110 mm   1.4 g

## KW 550 MX LP [G8A-25510HJACN-2]



**Layout:** CN (China)

**Product colour:** Black

**Switches:** CHERRY MX LOW PROFILE RED

Part number	G8A-25510HJACN-2
EAN	4025112119392

### PRODUCT INFORMATION

Model number	G8A-25510
Reliability	MTBF 90: > 10 Mio.
Warranty	2 years warranty
Product approvals	<ul style="list-style-type: none"><li>- CE</li><li>- EU RoHS</li><li>- UKCA</li><li>- FCC</li><li>- SRRC</li></ul>
Software support	CHERRY KEYS
Operating system	<ul style="list-style-type: none"><li>- Windows 7</li><li>- Windows 10</li><li>- Windows 10 or higher</li></ul>
System Requirements-Hardware	USB-C
Dimensions inc. packaging	407 mm × 174 mm × 35 mm   1,038 g

### TEMPERATURE

Min. operating temperature	0 °C
Max. operating temperature	40 °C

### CABLE

Cable length	180 cm
--------------	--------

## KEYBOARD

Keycap material	PBT
Palm rest	Palm rest not available
USB-Hub	no
Illumination	white
Adjustable feet	yes
Status LEDs	in keys
Key technology	Mechanical
Service life per key (in million strokes)	100 mio. actuations
Max. current consumption (mA) of keyboard	500 mA
Keyboard format	Compact (96%)
Integrated metal plate	no
Volume (dB) of keyboard	40 db
N-Key Rollover	yes
Anti-ghosting	yes
Key encryption	AES-128
Response time	1 ms
Windows key	with Windows key
Hotswap	no

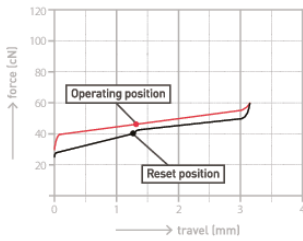
## BLUETOOTH

Connection via Bluetooth	yes
Encryption in Bluetooth mode	yes
Bluetooth protocol	Bluetooth® 5.2
Bluetooth range	2,400 m

## BATTERY

Number of batteries	1
Battery type	Li-Ion
Battery design	Special

Battery rechargeable	yes
Battery replaceable	no
Battery charging socket	USB-C
Maximum Charging Capability	1,400 mW
Minimum Charging Capability	1,300 mW



### SWITCHES: MX2B-L2NA

Reliability	> 100M actuations
Dimensions inc. packaging	240 mm × 240 mm × 110 mm   1.4 g
Type	mechanical, MX
Operating life	>100m.
stem colour	red
Pre-Travel	1,2 mm
RGB	yes
Spring	Stainless steel
Cover colour	transparent
Bottom housing colour	translucent
Actuation force	45 cN
Initial force	30 cN
Final force	100 cN

## KW 550 MX LP [G8A-25510HOACN-1]



**Layout:** CN (China)

**Product colour:** White

**Switches:** CHERRY MX LOW PROFILE 2.0 IVORY

---

Part number	G8A-25510HOACN-1
EAN	4025112119415

---

### PRODUCT INFORMATION

---

Model number	G8A-25510
Reliability	MTBF 90: > 10 Mio.
Warranty	2 years warranty
Product approvals	<ul style="list-style-type: none"><li>- CE</li><li>- EU RoHS</li><li>- UKCA</li><li>- FCC</li><li>- SRRC</li></ul>
Software support	CHERRY KEYS
Operating system	<ul style="list-style-type: none"><li>- Windows 7</li><li>- Windows 10</li><li>- Windows 10 or higher</li></ul>
System Requirements-Hardware	USB-C
Dimensions inc. packaging	407 mm × 174 mm × 35 mm   1,038 g

---

### TEMPERATURE

---

Min. operating temperature	0 °C
Max. operating temperature	40 °C

---

### CABLE

---

Cable length	180 cm
--------------	--------

---

## KEYBOARD

Keycap material	PBT
Palm rest	Palm rest not available
USB-Hub	no
Number of keys	99
Illumination	white
Adjustable feet	yes
Status LEDs	in keys
Key technology	Mechanical
Service life per key (in million strokes)	100 mio. actuations
Max. current consumption (mA) of keyboard	500 mA
Keyboard format	Compact (96%)
Integrated metal plate	no
Volume (dB) of keyboard	40 db
N-Key Rollover	yes
Anti-ghosting	yes
Key encryption	AES-128
Response time	1 ms
Windows key	with Windows key
Hotswap	no

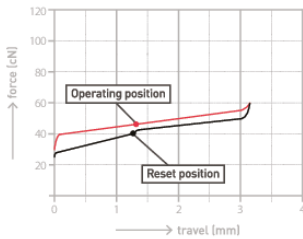
## BLUETOOTH

Connection via Bluetooth	yes
Encryption in Bluetooth mode	yes
Bluetooth protocol	Bluetooth® 5.2
Bluetooth range	2,400 m

## BATTERY

Number of batteries	1
Battery type	Li-Ion

Battery design	Special
Battery rechargeable	yes
Battery replaceable	no
Battery charging socket	USB-C
Maximum Charging Capability	1,400 mW
Minimum Charging Capability	1,300 mW



### SWITCHES: MX1B-L2NA

Operating life	>100m.
stem colour	red
Pre-Travel	1,2 mm
Spring	Stainless steel
Cover colour	transparent
Bottom housing colour	translucent
Actuation force	50 cN
Actuation point force	50 cN
Initial force	30 cN
Final force	100 cN
Dimensions inc. packaging	240 mm × 240 mm × 110 mm   1.4 g

# KW 550 MX LP [G8A-25510HJACN-1]



**Layout:** CN (China)

**Product colour:** White

**Switches:** CHERRY MX LOW PROFILE RED

---

Part number	G8A-25510HJACN-1
EAN	4025112119422

---

## PRODUCT INFORMATION

---

Model number	G8A-25510
Reliability	MTBF 90: > 10 Mio.
Warranty	2 years warranty
Product approvals	<ul style="list-style-type: none"><li>- CE</li><li>- EU RoHS</li><li>- UKCA</li><li>- FCC</li><li>- SRRC</li></ul>
Software support	CHERRY KEYS
Operating system	<ul style="list-style-type: none"><li>- Windows 7</li><li>- Windows 10</li><li>- Windows 10 or higher</li></ul>
System Requirements-Hardware	USB-C
Dimensions inc. packaging	407 mm × 174 mm × 35 mm   1,038 g

---

## TEMPERATURE

---

Min. operating temperature	0 °C
Max. operating temperature	40 °C

---

## CABLE

---

Cable length	180 cm
--------------	--------

---

## KEYBOARD

Keycap material	PBT
Palm rest	Palm rest not available
USB-Hub	no
Number of keys	99
Illumination	white
Adjustable feet	yes
Status LEDs	in keys
Key technology	Mechanical
Service life per key (in million strokes)	100 mio. actuations
Max. current consumption (mA) of keyboard	500 mA
Keyboard format	Compact (96%)
Integrated metal plate	no
Volume (dB) of keyboard	40 db
N-Key Rollover	yes
Anti-ghosting	yes
Key encryption	AES-128
Response time	1 ms
Windows key	with Windows key
Hotswap	no

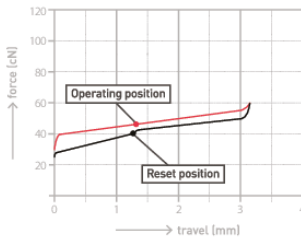
## BLUETOOTH

Connection via Bluetooth	yes
Encryption in Bluetooth mode	yes
Bluetooth protocol	Bluetooth® 5.2
Bluetooth range	2,400 m

## BATTERY

Number of batteries	1
Battery type	Li-Ion

Battery design	Special
Battery rechargeable	yes
Battery replaceable	no
Battery charging socket	USB-C
Maximum Charging Capability	1,400 mW
Minimum Charging Capability	1,300 mW



### SWITCHES: MX2B-L2NA

Reliability	> 100M actuations
Dimensions inc. packaging	240 mm × 240 mm × 110 mm   1.4 g
Type	mechanical, MX
Operating life	>100m.
stem colour	red
Pre-Travel	1,2 mm
RGB	yes
Spring	Stainless steel
Cover colour	transparent
Bottom housing colour	translucent
Actuation force	45 cN
Initial force	30 cN
Final force	100 cN

## © Cherry Europe GmbH

Cherrystraße 2 · 91275 Auerbach/OPf. · Germany  
**cherry-world.com · cherry.de**

Sales Support · Technischer Support · eHealth Support

**+49 9643 - 2061 - 100**  
**www.cherry.de/de-de/kontakt**

Errors, technical changes and delivery options reserved. Technical information refers only to the specification of the products. Properties are not guaranteed. Actual battery life is strongly depending on individual user behavior and hardware setup.