

# SHORT TRAVEL KEYBOARDS

## GENERAL SPECIFICATIONS

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all short travel keyboard types

#### MECHANICAL SPECIFICATIONS

Switches feedback : Tactile, positive click  
Switch technology : mechanical  
Switch travel : 0,3 mm.  
Operating force : 2.55N typ.  
Switching life : 3 million operations per switch  
Overlay : Polyester with key embossing  
Metal parts : aluminium  
Protection class : frontal IP67(\*)  
Keyboard colours : See individual datasheets  
Output cables : shielded straight 1,6 m long (\*)

#### ELECTRICAL SPECIFICATIONS

Supply voltage : standard PC port  
Current drain : 60 mA typ. (with touchpad) or  
200mA (with optical trackball)  
PS/2 output via 6-pin mini DIN plug (\*)  
USB output via USB type A plug (\*)  
Use standardly available keyboard drivers  
corresponding with the chosen country layout.

#### ENVIRONMENTAL SPECIFICATIONS

Operating temperature range : 0°C to + 55°C  
Storage temperature range : - 25°C to + 65°C  
CE : compliant to EMC Directive 89/336/EEC for  
Electromagnetic Compatibility  
Low Voltage Directive 73/23/EEC not applicable for  
our keyboards.

#### Available country layouts

Country layout	Country code	KST102	KSTL105	KSTP105
US Qwerty	1	●	●	●
FR Azerty	33	●	●	●
GR Qwertzu	49	●	●	●
Cyrillic	7	●	●	
BE Belgian Azerty	33	●	●	●

Other country layouts  
on request

### • INTEGRATED OPTICAL TRACKBALL SPECIFICATIONS

type KSTL105

#### MECHANICAL SPECIFICATIONS

Optical Navigation Technology, solid state sensing  
50 mm ball, epoxy resin, light grey  
Tracking force : 80 grams nom.  
Protection class : IP68 waterproof  
Resolvable ball speed : max 2,3 revolutions/sec  
Impact : >= 20 Joules  
Life : >= 1 million ball revolutions  
Shielded cables : straight 1,6 m long (\*)

#### ELECTRICAL SPECIFICATIONS

Supply voltage : 3.6V to 5.5V  
Current drain : 110 mA typ. / 150mA max.  
PS/2 output via 6-pin mini DIN plug (\*)  
USB output via USB type A plug (\*)  
No special driver is supplied with the unit.  
Please use standard available drivers in your  
operating system.

### • INTEGRATED TOUCHPAD SPECIFICATIONS

type KSTP105

#### MECHANICAL SPECIFICATIONS

Sensing technology : Field distortion (Independent of applied pressure)  
Sensing area : 55 x 39 mm.  
Tracking speed : max. 250 mm/sec.  
Resolution : 480 ± 50 counts per inch.  
Protection class : IP65 (\*)  
Shielded cables : straight 1,6 m long (\*)

#### ELECTRICAL SPECIFICATIONS

Supply voltage : standard PC port  
Current drain : 12 mA max.  
PS/2 output via 6-pin mini DIN plug (\*)  
USB output via USB type A plug (\*)  
No special driver is supplied with the unit.  
For optimal performance of the Touchpad feature, we  
recommend to download the touchpad device driver  
from [www.synaptics.com/support/downloads.cfm](http://www.synaptics.com/support/downloads.cfm)

(\*) for more info contact [sales@chameleon-group.com](mailto:sales@chameleon-group.com)