

MEMBRANE KEYBOARDS

GENERAL SPECIFICATIONS

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all membrane keyboard types

MECHANICAL SPECIFICATIONS

Switches feedback : Tactile
 Switch technology : thermoformed, dome-type membrane
 Switch travel : 1,4 mm.
 Shielding type : Clicktouch 5-layer (*)
 Operating force : 4 N typ.
 Switching life : 6 million operations per switch
 Surface : UV hardened polyester, chemical resistant (*)
 Metal parts :
 - Carriers (panel mount versions) : Aluminium
 - Protections covers : stainless steel (*)
 - Enclosures : steel with anti-corrosion treatment and industrial coating
 Protection class : IP65 (*)
 Keyboard colours : See individual datasheets
 Output cables : shielded straight 1,6 m long (*)

ELECTRICAL SPECIFICATIONS

Supply voltage : standard PC port
 Current drain : 60 mA max.
 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	KBM103	KBTS103	KBMT106	KBLT106	KBSP106	
US Qwerty	1	●	●	●	●	●	Other country layouts on request
FR Azerty	33	●	●	●	●	●	
SP Spanish Qwerty	34			●	●	●	
GR Qwertzu	49	●	●	●	●	●	

• INTEGRATED TRACKBALL SPECIFICATIONS

types KBMT106 / KBLT106

MECHANICAL SPECIFICATIONS

Black ball, running on solid metal shafts, with precision ball bearings. Resolution:
 - 38 mm ball : 241 pulses per ball revolution
 - 50 mm ball : 155 pulses per ball revolution
 Tracking force : 50 grams nom.
 Sealing : double sided built-in seal
 Protection class : standardly IP65 static (*)
 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.
 Please use standard available drivers in your operating system.

• INTEGRATED TOUCHPAD SPECIFICATIONS

type KBSP106

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

(*) for more info contact sales@chameleon-group.com