

Product: **Silicone Rubber Keyboard**

Typenumber: **HT RKTE85x2049-W-MC1**
Where x is either: S = Desktop mount, B = Panel mount

Last Revised: **12 May 2023**
Revision#: **04**

HT RKTE85 Silicone Rubber Keyboard

Description:

The Hatteland Technology Full travel rubber Keyboard with 85 key keyboard features a compact rubber keyboard with integrated waterproof ergonomic trackball. The backlit keys warrant for optimized performance while working in low-light environments. Panel mount and desktop version available.

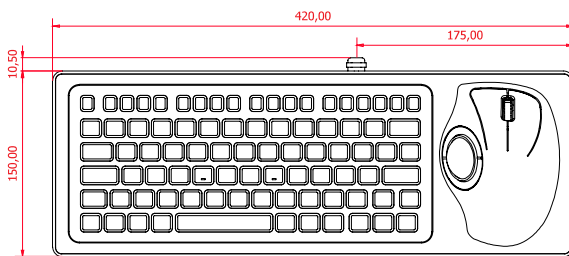
Features:

Compact layout:	85 full travel rubber keys (US layout)
Backlight:	Dimmable backlight at 8 levels by two dedicated keys (FN Key + arrow up/down)
LED:	Low power LED's warrant for a long life
Test and certificate:	Certificate of Conformity fully compliant with IEC60945
Power requirements:	Powered directly from USB port
Trackball:	38mm waterproof ergonomic trackball with hall-effect scroll wheel, Removable for easy cleaning
Power:	No external power supply necessary, keyboard power sufficient

Illustrations for desktop mount

HT RKTE85**S**2049-W-MC1

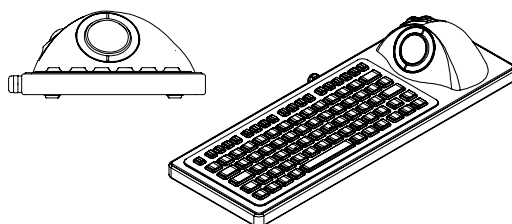
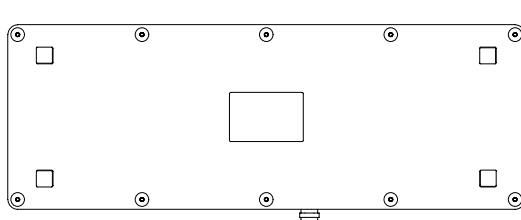
TOP VIEW



SIDE VIEW



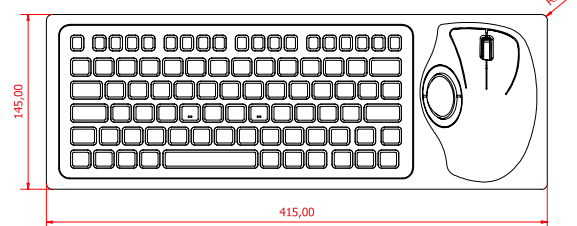
BOTTOM VIEW



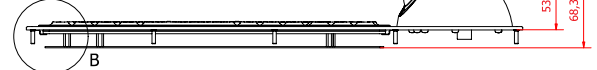
Illustrations for panel mount

HT RKTE85**B**2049-W-MC1

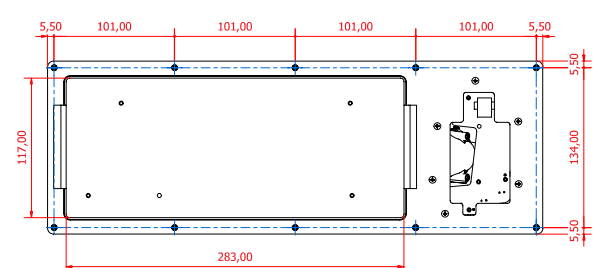
TOP VIEW



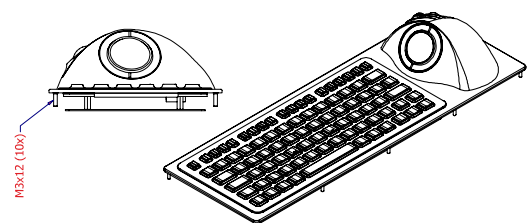
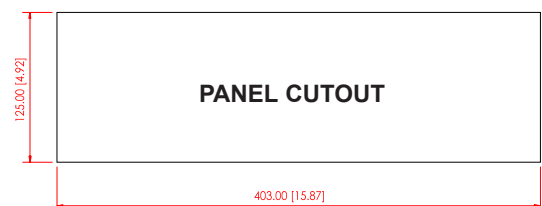
SIDE VIEW



BOTTOM VIEW



PANEL CUTOUT



Dimensions might be shown with or without decimals and indicated as mm [inches]. Tolerance on drawings is +/- 1mm. For accurate measurements, check relevant DWG file.

TECHNICAL DESCRIPTION

Technical Specifications:

Sealing:	IP67 sealed
Keys:	85 full travel rubber keys
Pointing Device:	38.1 mm optical trackball
Power requirements:	Directly from USB port
Output:	1 x 1.6m USB cable
Operating temperature:	0°C to +70°C
Storage temperature:	-40°C to +85°C
Compass Safe Distance:	Standard: 56cm - Steering: 41cm
Switch force:	300 grams ±100grams
Switch stroke:	1.5mm
Lifetime switches:	1 million actuations

Trackball Specifications:

Ball Size:	Ø38.1mm (1.5")/Epoxy resin
Tracking force:	20-40grams - PTFE seal
Ball load:	100N (10Kg) maximum downward pressure for 2 minutes @ 20°C
Resolvable ball speed:	30 IPS (inches per second)
Tracking engine:	Infra-red optical navigation technology
Removable ring:	PC/ABS, black

Scroll Wheel Specifications:

Wheel diameter:	Ø25mm
Wheel Material:	PC/ABS
Wheel color:	Grey
Encoding technology:	Hall effect
Magnet strength:	N42
Detent-scrolling force:	30 grams nominal
Switch actuation force:	275 ± 100 grams force

Physical Specifications:

Desktop mount dimensions:	420mm x 150mm x 68.27mm
Desktop mount Weight:	0.6kg/1.32lbs
Panel mount dimensions:	415mm x 145mm x 68.37mm
Panel mount weight:	0.7kg/1.54lbs

Illustrations for desktop mount

HT RKTE85S2049-W-MC1



Illustrations for panel mount

HT RKTE85B2049-W-MC1



APPROVALS & CERTIFICATES

These products have been tested / type approved by the following classification societies:
IEC 60945 4th (EN 60945:2002) IACS E10 IEC 60092-504 3rd