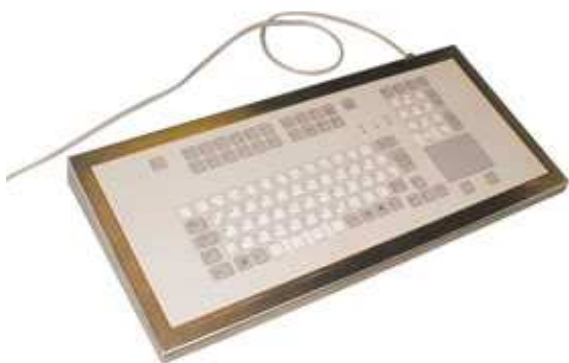


## iKEY100 Intrinsically Safe Keyboard With Mouse Pad



**Fully functional robust keyboard with capacitive mouse pad**

**ATEX II 2G EEx ia IIC T4**

**-30°C to +60°C**

**IP66**

### Overview

The iKEY100 is a fully functional keyboard with 102 keys under a foil with an integrated foil covered capacitive mouse pad with full mouse functionality.

The keyboard variants;

- iKEY100D** Supplied in a stainless steel IP66 desktop mounted enclosure (IP65 from rear) with a 1.5 metre long cable
- iKEY100F** Flush mount for installation into other enclosures and provides a flush installation
- iKEY100S** Surface mount for installation into other enclosures, iKEY100 raised approx 3mm from surface

The iKEY100 is connected to a PC located in the safe area via the iSOLATE100 galvanically isolated intrinsically safe interface isolator.

Custom keyboard layouts are available on request.

A safe area version is also available, part number iKEY097.

### Features and Benefits

#### PC Powered Isolator

The iSOLATE100 isolator is powered by the PC keyboard and mouse ports and connected using standard plug in screw terminals and PS2 plugs at the PC meaning no extra cabling is required.

#### Long Distance Connection

The maximum distance between the iSOLATE100 and the iKEY100 is 20 metres using a PS2 cable and up to 50 metres using a CAT5 STP cable

#### Long Life Time

The polyester foil overlay provides protection against excess dirt and accidental spills damaging the iKEY100 which gives the unit a long life time.

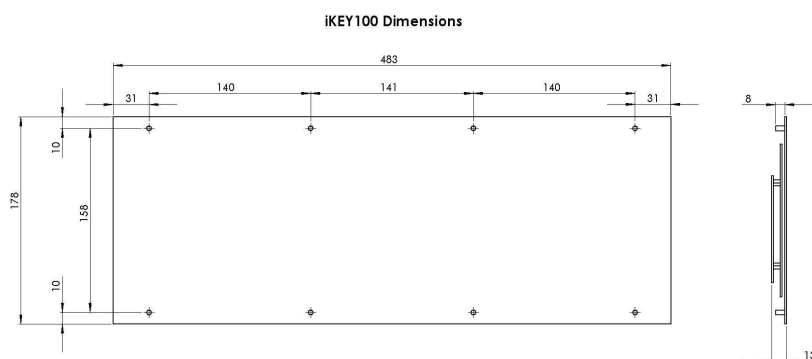
#### Easy Maintenance

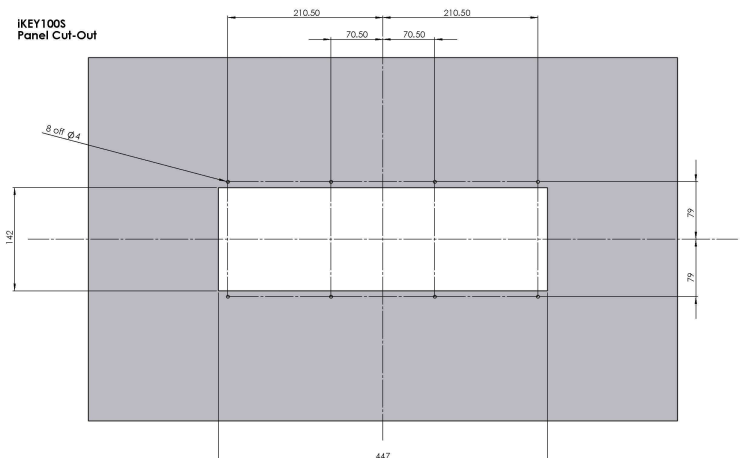
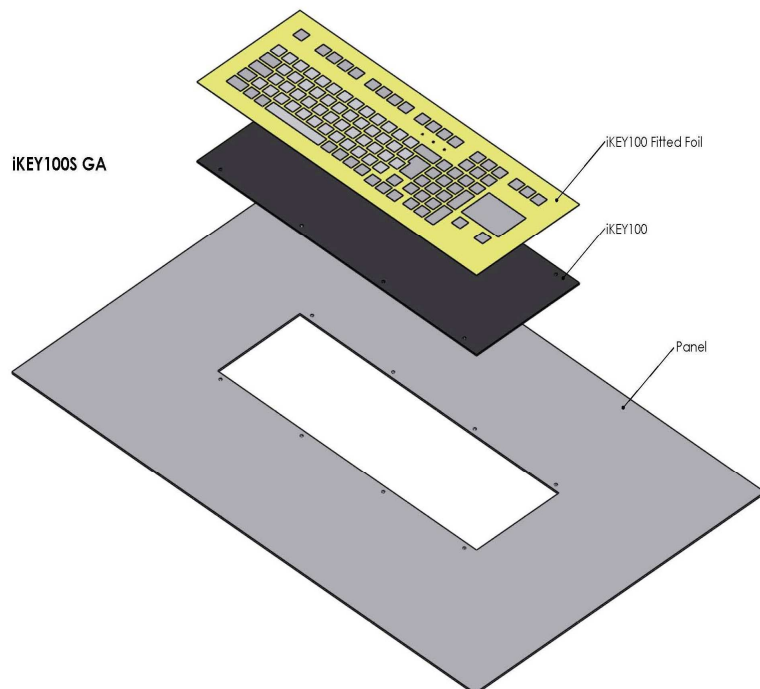
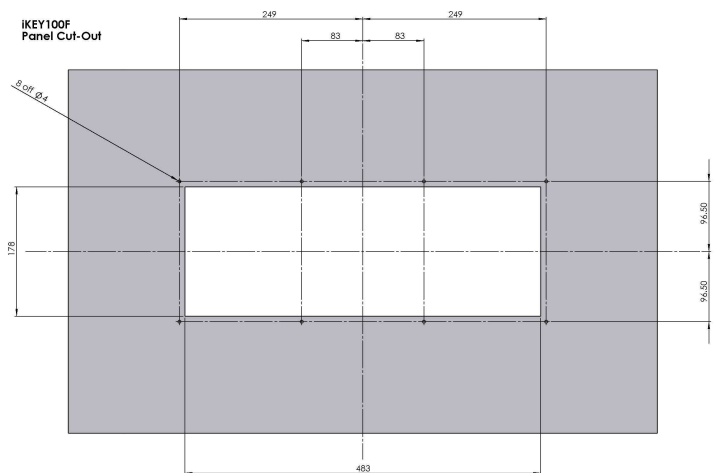
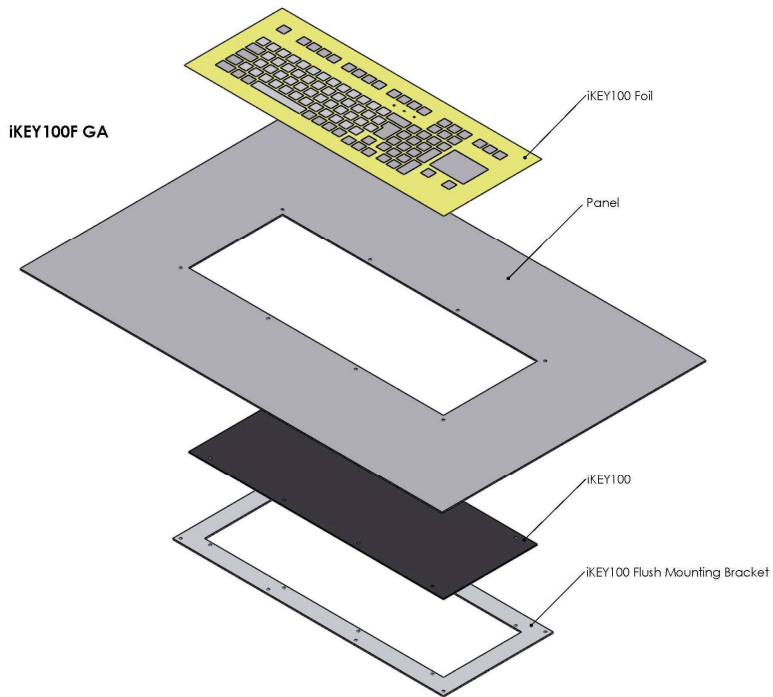
Once fitted, cleaning of the exposed overlay is all the maintenance required to keep the iKEY100 "as new".

#### Integrated Touch Pad

The iKEY100 comes complete with a user friendly integrated touch pad which acts as a mouse.

### Diagrammatical Data





## Specification

<b>Certification Number</b>	TUV 04 ATEX 2646
<b>Certification Type</b>	II 2G EEx ia IIC T4
<b>Dimensions</b>	iKEY100-D 50 x 523 x 238 mm (h x w x d) iKEY100-F & iKEY100-S 13 x 483 x 178 mm (h x w x d)
<b>IP Rating</b>	IP66 from front for surface and flush mount versions, IP20 from rear. Desk top enclosure version IP66
<b>Ambient Temperature</b>	-30°C to +60°C
<b>Electrical Connection</b>	1.5 metre long lead for connection to screw terminals. Longer leads available on request
<b>Power Supply</b>	From the PC keyboard or mouse port
<b>Keyboard Type</b>	MF2 (102 keys) with integrated mouse pad and right and left click. PC AT, PS 2 compatible
<b>Keyboard Layouts</b>	US English - Options German, French, Russian
<b>Mounting</b>	Desktop, Flush or Surface
<b>Material</b>	Polyester foil overlay, the iKEY100-D is built into a desk top stainless steel enclosure

## Ordering Information

### KEYBOARD WITH INTEGRATED TOUCH PAD

iKEY100-[#1]-[#2]

#### Please Specify [#1] - Type of unit

Stainless steel desktop housing  
Flush panel mount  
Surface panel mount

D  
F  
S

#### Please Specify [#2] - Layout

US English (Standard)  
German  
French  
Russian

US  
G  
F  
R

Safe Area option also available, see iKEY097 datasheet

#### Accessories

Oversized foil for iKEY100 and iKEY097

iKEY100FOIL

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