



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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**Compact format,  
vandal resistant  
USB keyboard  
with numeric/  
arithmetic  
functions**

### STORM 2230 keyboards are constructed to survive in exposed, unsupervised situations.

Storm's proprietary switch technology delivers a responsive key action ensuring rapid and reliable data entry in hostile environments. A hardened stainless steel front plate and captive, high contrast, high impact polymer keys ensure the keyboard stands up to hard use, abuse and vandalism. Now offered with bright white keytops to achieve maximum visibility and accessibility. High contrast laser engraved keytop graphics also deliver improved resistance against character wear and fading, even in exposed outdoor locations.

- Vandal resistant (20J BS EN 60068-2-75: 1997)
- Weather resistant (IP65)
- Integral USB Interface via single USB cable (supplied)
- Optional fixing kit for under panel installation (sold separately) or anti-slip foot kit for benchtop use (also sold separately)
- RFI / EMI Protection in accordance with current European and U.S. directives
- Operational life of more than 4 million cycles per key
- Resistant to most commonly used cleaning agents
- 92 keys
- Compact format: 346.5 mm x 137.5 mm x 38.5 mm



#### Electrical

EMC Emissions:  
EMC Immunity to ESD:  
EMC Immunity to radiated fields:  
Electrical Safety:  
Communication:  
Supply voltage:  
Supply current:

EN55023: 2015 Class B Limit  
EN55024: 2010  
EN55024: 2010  
EN60950, UL60950  
Industry standard  
USB interface  
+5V nominal (5.5V to 4.75V)  
60mA  
(with 2 LEDs illuminated)

#### Environmental

Sealing:  
Weather resistance:

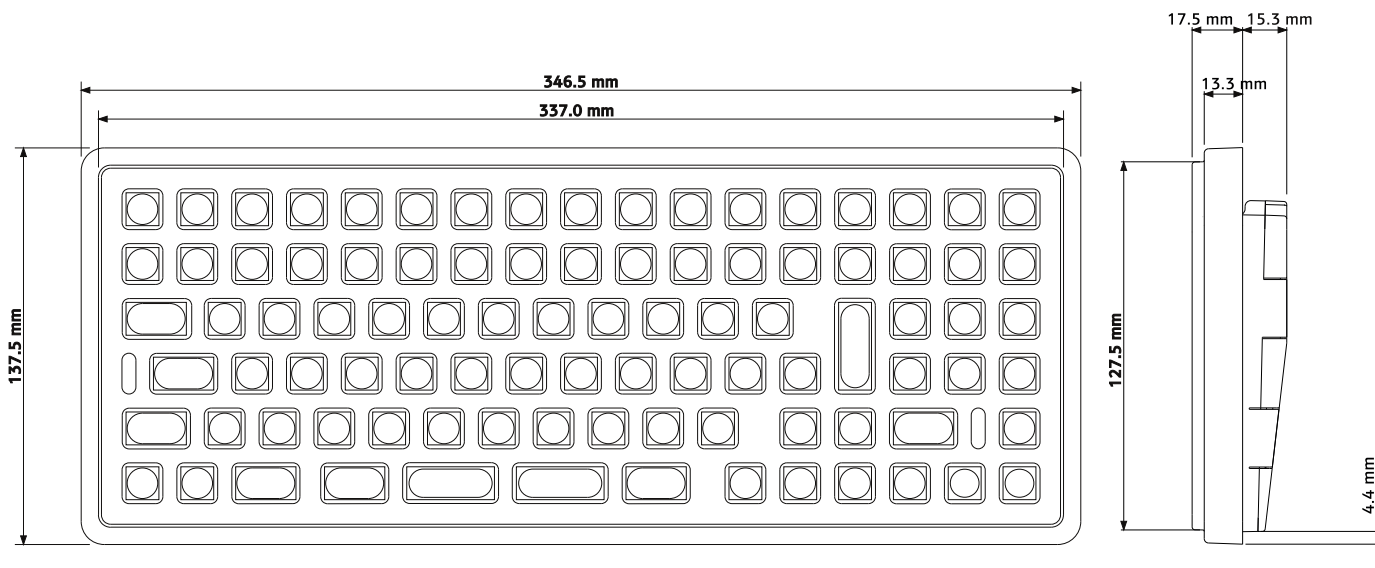
EN60529 (sealing to IP65)  
-20°C to +70°C  
operating (dry)

#### Mechanical

Impact resistance:  
Key pitch:  
Key size:  
Actuation force:

20 Joules  
via 50mm dia steel striker  
19mm  
11mm square  
100g nominal





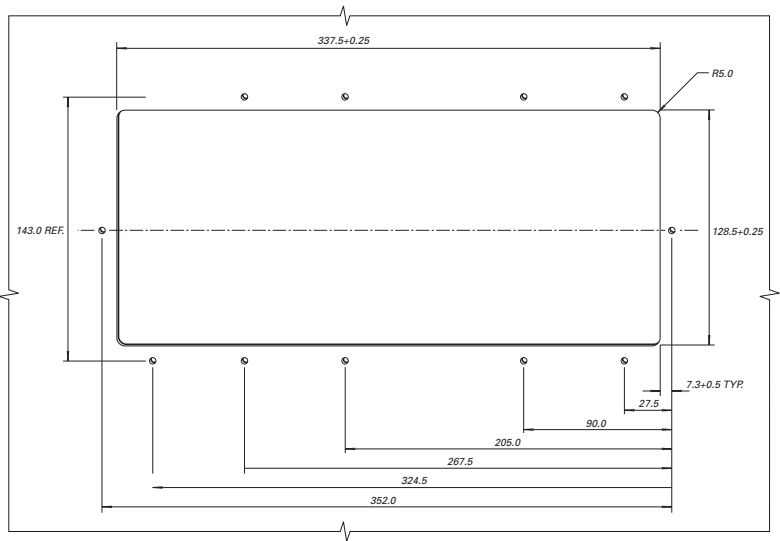
Keyboard Weight:  
with polymer keytops **1.80 kg**

Underpanel cut out aperture **337.5 x 128.5mm (13.29 x 5.06 in.)**

Max panel thickness **2mm**

View showing rear of panel with dimensions of stud positions and panel cut out details

All dimensions in mm.



### Alternative Options

- Keytops **Black keytops with white laser marked characters**
- Encoder **PS2/USB switchable (cable supplied separately)**
- Languages **English UK, English USA, French, Spanish, German**

2230 Series USB Keyboards		Part Numbers
White Polymer Keys, UK		2230-55201
White Polymer Keys, USA		2230-55202

Accessories		Part Numbers
2200 underpanel fixing kit (contains clips)		2210-MK000
2200 foot kit – required for benchtop use		2200-FK000

Whilst every effort is made to ensure details are correct at time of print, specifications are subject to change without notice.



For more information & to order:  
**www.storm-interface.com**

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