# Storm

## 2230 Series Keyboards

# Fully featured, vandal resistant keyboards with numeric/arithmetic function keypad

- **Vandal resistant (20J BS EN 60068-2-75: 1997)**

- **Weather resistant (IP65)**

- **Integral PS2/USB Interface (switchable)**

- **Optional PC connection cables (sold separately)**

- **Optional fixing kit for under panel installation (sold separately) or adapter 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 with non embedded numeric/arithmetic keypad**
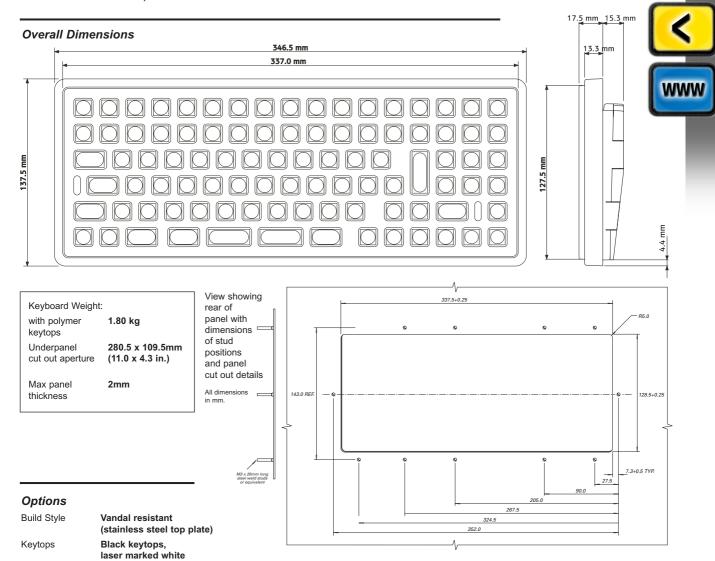
- **Space efficient footprint: 346.5 mm x 137.5 mm x 32.8 mm**

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## www.storm-interface.com

# ⚡torm

## 2230 Series keyboards for public environments

STORM 2230 keyboards are constructed to survive in exposed, unsupervised, public environments. Their responsive key action ensures rapid, reliable and responsive data entry in tough, wet or hostile conditions. A hardened stainless steel front plate and high impact polymer keys ensure the keyboard's resistance to hard use, abuse and vandalism.

### Overall Dimensions



346.5 mm
337.0 mm
137.5 mm
17.5 mm   15.3 mm
13.3 mm
127.5 mm
4.4 mm

Keyboard Weight:

| | |
|---|---|
| with polymer keytops | **1.80 kg** |
| Underpanel cut out aperture | **280.5 x 109.5mm (11.0 x 4.3 in.)** |
| Max panel thickness | **2mm** |

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

All dimensions in mm.



337.5+0.25
R5.0
143.0 REF.
128.5+0.25
M3 x 20mm long steel weld studs or equivalent
7.3+0.5 TYP.
27.5
90.0
205.0
267.5
324.5
352.0

### Options

| | |
|---|---|
| Build Style | **Vandal resistant (stainless steel top plate)** |
| Keytops | **Black keytops, laser marked white** |
| Encoder | **PS2/USB selectable** |
| Languages | **English UK, English USA, French, Spanish, German** |

### Electrical

| | |
|---|---|
| EMC Emissions | **EN55022 : 1998 Class B Limit** |
| EMC Immunity to ESD | **EN55024 : 1998** |
| EMC Immunity to Radiated Fields | **EN55024 : 1998** |
| Electrical Safety | **EN60950, UL60950** |
| Communication | **Industry Standard PS2 or USB Interface** |
| Supply requirements — voltage | **+5V nominal (5.5V to 4.75V)** |
| Supply requirements — current | **60mA (with 2 LEDs illuminated)** |

### Environmental

| | |
|---|---|
| Sealing — Water / Particulates | **EN60529 (sealing to IP65)** |
| Temperature | **-20°C to +60°C operating (dry)** |

### Mechanical

| | |
|---|---|
| Impact Resistance | **20 Joules via 50mm dia steel striker** |
| Key Pitch | **19mm** |
| Size | **11mm square** |
| Travel | **1.5mm nominal** |
| Actuation Force | **130g nominal** |

## ⚡torm Interface

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### Accessories

| Description | Stock Code |
|---|---|
| **2200 Underpanel Fixing Kit** — contains clips | 2200-MK0001 |
| **2200 Foot Kit** — required for benchtop use | 2200-FK000X |
| **Keyboard PS2 Cable** — straight 2.5m long | 1200 -001001 |
| **Keyboard USB Cable** — straight 2.5m long | 1200 -002001 |

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