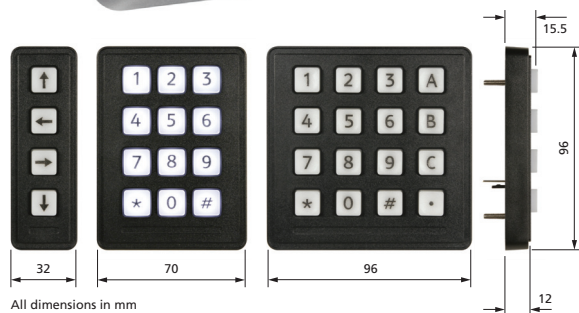


## Tough, water resistant, industrial grade polymer keypads

These keypads feature moving, tactile keys with a responsive 'over-centre' action.

The keypads are designed for use in harsh industrial environments. High contrast white keytops are permanently laser engraved with black characters. These keypads are also available with integral white light LED illumination for use in dark or partially lit locations. Available in standard 4, 12 and 16 key formats.



All dimensions in mm

- IP65 – sealed for use in wet or dirty environments
- Impact, shock and vibration resistant to survive in demanding industrial applications
- High contrast laser marked keytop characters
- Available with integral, white light LED illumination (Storm 720TFX-i version)
- Raised 'home pip' to aid tactile navigation of the numeric keypads
- Keys are arranged on an X-Y matrix circuit terminated via a 0.1" pitch, square pin, male connector with an integral locking ramp
- Directly compatible with the Storm 450 and 450i USB keypad Interface



### Performance

Operational key life:

>2 million cycles per key



### Environmental

Operational temperature:

-20°C to +60°C

Storage temperature:

-20°C to +70°C

Humidity:

5%RH to 95%RH non-condensing



Vibration and shock:

ETSI 300 019 5M3

Water and dust resistance:

IP65 When fitted to a suitable surface

Impact resistant:

5J

### Electrical

Insulation resistance:

50Mohms (min)

Breakdown voltage:

500V a.c. (60 secs)

Max Operating voltage:

24V

Max Operating current:

50mA (excluding keypad illumination current)

Illumination:

5V +/- 10% at 13mA per key



### Compliance

This device is designed to meet:

• EU RoHS



• EU Low Voltage Directive

• ESD: Up to +/- 15kV air discharge, +/- 7.5kV contact discharge



• WEEE Directive compliant



### Additional Information

(downloads available at [www.storm-interface.com](http://www.storm-interface.com))

• Installation instructions including product dimensions

• CAD files (dxf, dwg)

• Test data and reports

### Accessories

• Storm 450 and 450i Series USB Interface

• USB Cable for use with USB Interface

• Replacement panel seals available at [storm-interface.com](http://storm-interface.com)



### Part Numbers

#### 720TFX

720TFX-i (illuminated)

TFX 7203-04C020  
TFX-i 7203-04CW20

TFX 7203-12T020  
TFX-i 7203-12TW20

TFX 7203-16T020  
TFX-i 7203-16TW20

#### Accessories

Replacement rubber panel seal kits:

4 Key 7200-SP040

12 Key 7200-SP120

16 Key 7200-SP160

Storm 450 Series USB Interface 4500-00

Storm 450i USB Interface with audio control 4500-10

USB Cable (USB A to 90° USB mini-B) 4500-01



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

Designed & produced by NIK Design [nikdesign.co.uk](http://nikdesign.co.uk)

[www.storm-interface.com](http://www.storm-interface.com)

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720TFX/720TFX-i Dec 2013

FM 39602

