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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
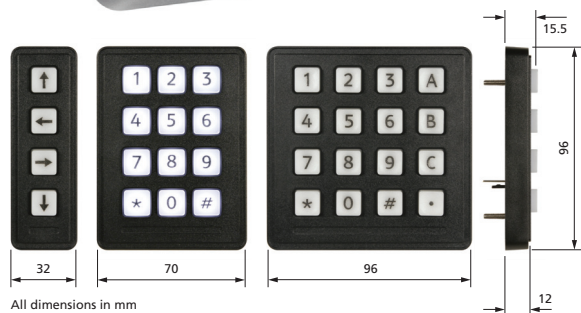Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

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**

Additonal Information
(downloads available at 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**

Part Numbers

720TFX 720TFX-i (illuminated)		Accessories			
TFX	7203-04C020	Replacement rubber panel seal kits:		Storm 450 Series USB Interface	4500-00
TFX-i	7203-04CW20				
TFX	7203-12T020	4 Key	7200-SP040	Storm 450i USB Interface with audio control	4500-10
TFX-i	7203-12TW20	12 Key	7200-SP120		
TFX	7203-16T020			USB Cable (USB A to 90° USB mini-B)	4500-01
TFX-i	7203-16TW20	16 Key	7200-SP160		

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