

storm 2200 Series Vandal Resistant Keyboards and Keyboards with Trackball

These keyboards are constructed to survive in exposed, unsupervised, public environments. A hardened stainless steel front plate and captive, high impact polymer keys ensure the keyboard's resistance to hard use and abuse.

Features: • Tough, vandal resistant construction • Permanent laser engraved keytop characters • Sealed against water and dust to IP65 • Integral PS/2, USB interface electronics (switchable) • Foot Mounting kit available for desktop applications

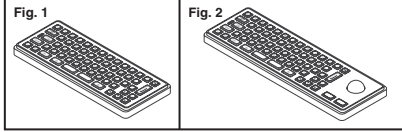


Fig.	Description	Digi-Key Part No.	Price Each	Storm Part No.
1	Vandal Resistant Keyboard, 61-Key	MGR1609-ND	300.10	2210-220023
	Vandal Resistant Keyboard, 75-Key including F-Keys	MGR1613-ND	320.14	2220-220023
	Vandal Resistant Keyboard, 93-Key including number pad	MGR1614-ND	360.22	2230-220023
2	Vandal Resistant Keyboard, 63-Key with Poly TB	MGR1610-ND	440.38	2210-220223
	Vandal Resistant Keyboard, 63-Key with Metal TB	MGR1611-ND	500.50	2210-320323
—	Foot Mounting Kit for 2200 Series	MGR1617-ND	19.90	2200-FK0003

◆ RoHS Compliant

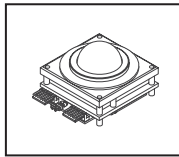
2200 Series Stand-Alone Trackballs

This 38mm, panel mount, trackball provides smooth, accurate and responsive cursor control in wet, dirty or aggressive environments. Sealed against the ingress of fluids and dust, the device automatically configures to provide either PS/2 or USB connectivity. The robust chassis is designed to provide secure under-panel fixing for maximum resistance to hard use, abuse and vandalism. This device is supplied complete with comprehensive fixing, connection and configuration instructions.

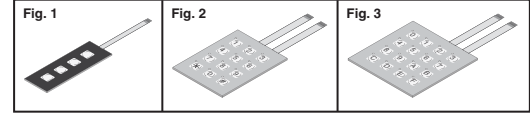
Description	Digi-Key Part No.	Price Each	Storm Part No.
Robust Trackball Phenolic Ball	MGR1607-ND	123.76	2200-000203
Vandal Resistant Trackball Steel Ball	MGR1608-ND	163.72	2200-000303

Accessories for 2200 Series Keyboards and Trackballs

Description	Digi-Key Part No.	Price Each	Storm Part No.
PS/2 Keyboard Cable; 2.5 Meters	MGR1603-ND	11.92	1200-001003
USB Keyboard Cable; 2.5 Meters	MGR1604-ND	11.92	1200-002003
PS/2 Trackball Cable; 2.5 Meters	MGR1605-ND	11.92	2200-002003
USB Trackball Cable; 2.5 Meters	MGR1606-ND	11.92	2200-003003



NKK SWITCHES NEW! Series FM Membrane Switch Keypads



Characteristics: • 1.0mm (.039") tail pitch • Actuating dome offers crisp, tactile feedback to positively indicate circuit transfer • Illuminated models feature legends on embossed keypads • Adhesive backing for easy mounting **Specifications:** • Power Level: 20mA @ 24VDC • Contact Resistance: 500Ω maximum (10mA @ 10VDC) • Insulation Resistance: 100MΩ minimum • Dielectric Strength: 250VAC minimum, for one minute minimum • Operational Life: 1,000,000 operations minimum • Contact Timing: 10 milliseconds maximum • Operating Temperature: -15°C ~ 50°C **LED Specifications:** • Forward Voltage: 2.1V • Forward Current: 20mA **Connectors:** • Recommended for 5 pin: Molex 0528060570 • Recommended for 8 pin: Molex 0528060810 • 1 connector required for Non-Illuminated • 2 connectors required for Dot with Overlay **Note:** • 4-Key Keypads have 5 pins • 12-Key and 16-Key Keypads have 8 pins

Fig.	Illumination	No. of Keys	Surface Sheet	Digi-Key Part No.	Price Each	NKK Part No.
1	Non-Illuminated	4	Black	360-2294-ND	18.90	FMBN04BD
	Non-Illuminated	4	Gray	360-2295-ND	18.90	FMBN04BE
2	Dot with Overlay	12	Gray	360-2298-ND	36.08	FMBP12BF
3	Non-Illuminated	16	Black	360-2296-ND	25.00	FMBN16BD
	Non-Illuminated	16	Gray	360-2297-ND	25.00	FMBN16BE
	Dot with Overlay	16	Gray	360-2299-ND	41.80	FMBP16BF

Description	Digi-Key Part No.	Price Each	Molex Part No.
Connector for 4-Key Keypads	WM5314-ND	.44 .36 .28	52806-0570
Connector for 12- and 16-Key Keypads	WM5315-ND	.50 .41 .32	52806-0810

CHERRY Computer Keyboards

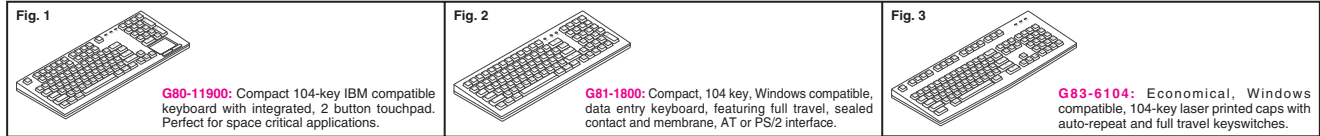
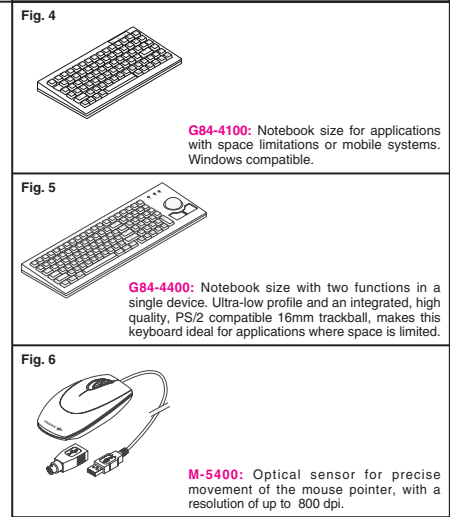
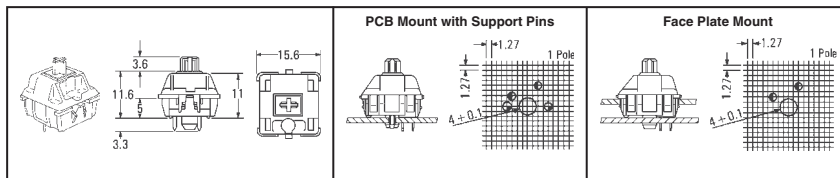


Fig.	Description	Digi-Key Part No.	Price Each	Cherry Part No.
Full Size, 104-Key Computer Keyboards				
1	Touch Board PS/2, Light Gray, AT and Serial Adapters	CH888-ND	177.67	G80-11900LTMS-0
	Touch Board PS/2, Black, AT and Serial Adapters	CH718-ND	192.10	G80-11900HVMUS
	Touch Board PS/2, Beige, AT and Serial Adapters	CH720-ND	175.10	G80-11900LTMS
	Touch Board PS/2, Light Gray	CH887-ND	169.52	G80-11900LPMUS-0
	Touch Board PS/2, Black, AT and Serial Adapters	CH889-ND	177.67	G80-11900LTMS-2
	Touch Board PS/2, Black	CH893-ND	169.52	G80-11900LPMUS-2
2	General Purpose PS/2, Light Gray	CH731-ND	85.75	G81-1800LPMUS-0
	General Purpose PS/2, Black	CH890-ND	85.75	G81-1800LPMUS-2
	General Purpose USB, Light Gray	CH894-ND	85.75	G81-1800LUMUS-0
3	Microsoft Windows PS/2, Light Gray	CH738-ND	25.50	G83-6104LPNUS-0
	Microsoft Windows USB, Light Gray	CH891-ND	34.13	G83-6104LUNUS-0
	Microsoft Windows PS/2, Black	CH896-ND	38.98	G83-6104LRNUS-2
	Microsoft Windows USB, Black	CH897-ND	36.08	G83-6104LJNUS-2
	Business Design K-1 USB, Light Gray	CH900-ND	16.50	J82-16001LUNEU-0
	Business Design K-1 USB, Black	CH901-ND	16.50	J82-16001LUNEU-2
Notebook Style, 83-Key Computer Keyboards				
4	PS/2 Interface, Tampo-Printed Caps, Beige	CH217-ND	68.00	G84-4100PPAUS
	USB Interface, Tampo-Printed Caps, Light Grey	CH742-ND	95.15	G84-4100PAUS-0
	PS/2 Interface, Tampo-Printed Caps, Black	CH746-ND	78.20	G84-4100PPRAUS
	USB Interface, Tampo-Printed Caps, Black	CH747-ND	95.15	G84-4100PTAUS
	USB, PS/2 Adapter Tampo-Printed Caps, Black, 86-Key	CH898-ND	95.15	G84-4100PTMUS
5	Integrated Trackball, PS/2, Tampo-Printed Caps, Black	CH750-ND	178.50	G84-4400PRBUS
	Integrated Trackball, USB, Tampo-Printed Caps, Black	CH751-ND	178.50	G84-4400PTBUS
	Integrated Trackball, PS/2, Tampo-Printed Caps, Light Gray	CH892-ND	163.35	G84-4400PPBUS-0
	Integrated Trackball, PS/2, Tampo-Printed Caps, Beige	CH899-ND	163.35	G84-4400PPBUS
	Integrated Trackball, USB, Tampo-Printed Caps, Beige	CH752-ND	168.30	G84-4400PUBUS
Power Wheel Mouse Optical				
6	USB, PS/2 Adapter, Light Gray	CH902-ND	15.75	M-5400
	USB, PS/2 Adapter, Black	CH903-ND	15.75	M-5450



MX Key Switches

Main Advantages: • The MX is a modern full-travel low-profile keyswitch • This module is designed to meet all current ergonomic standards demanded for word expectancy • High reliability also during quick actuation • All switches are momentary N/O type **Specifications:** • Maximum Voltage 12 • Maximum Current 10mA • Contact Resistance 200mΩ • Capacity at 1MHz <1pf • Bouncing Time at 0.4 ≤5ms



Description	Digi-Key Part No.	Price Each	Cherry Part No.
PCB Mount			
Linear Feel	CH160-ND	.86 .77 .64	MX1A-11NW
Click Tactile Feel	CH197-ND	.95 .84 .70	MX1A-E1NW
Soft Tactile Feel	CH310-ND	.70 .63 .52	MX1A-C1NW
Face Plate Mount			
Linear Feel	CH162-ND	.86 .77 .64	MX1A-11NN
Click Tactile Feel	CH196-ND	.86 .77 .64	MX1A-E1NN
Soft Tactile Feel	CH198-ND	1.16 1.04 .86	MX1A-C1NN

More Product Available Online: www.digikey.com