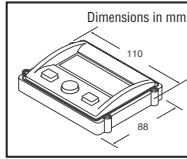


Storm Interface 5000 Series – Toughened Display Module



This unique bezel ensures an effective presentation of character or graphic display devices in any instrument or control panel. The display bezel fixes from the underside of any control panel, providing a tough and water sealed installation. Three menu navigation and option select keys provide an intuitive and reliable operator interface familiar to any cell phone user. The impact and scratch resistant polycarbonate screen ensures maximum protection against vandalism or hard use in an industrial environment. Offered with an optional back-lit 4 line x 20 character LCD. Alternatively, this bezel can be specified as a non-loaded device that is ready to accept alternate displays. **Features:** • Impact resistant (10J BS EN 60068-2-75 : 1997) • Sealed against liquids and dust (IP65) • -20°C (dry) – 60°C • Resistant to petrochemicals and most commonly used cleaning agents

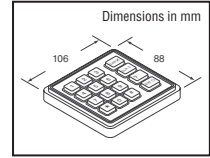


Description	Digi-Key Part No.	Price Each			Storm Part No.
		1	10	50	
Tough Display Module – without LCD	MGR1618-ND	49.54	44.25	38.96	5001-200103
Tough Display Module – with 4x20 character LCD	MGR1619-ND	110.57	98.76	86.95	5001-200203

SF6000 Series – Tough and Compact, Alpha-Numeric Keypads



Storm's SF6000 Series keypads are perfectly suited for industrial applications, access control devices or any public-use data entry device. Large, brightly colored keys with raised tactile symbols ensure maximum usability by those with visual or mobility impairments. SF6000 Series keypads feature Storm's patented weather resistant (IP65) and vandal resistant switch technology, which allows these devices to be confidently deployed in the harshest industrial or outdoor environments. It also features a stainless steel front plate with high impact polymer keys. It has a 4x4 matrix output with separate connection for illumination. **Illuminated SF6000 Series Keypads:** Make data entry easy with large, brightly lit keys. Each key is back-lit by a powerful 4.5 volt LED, making these keypads ideal for dark environments.



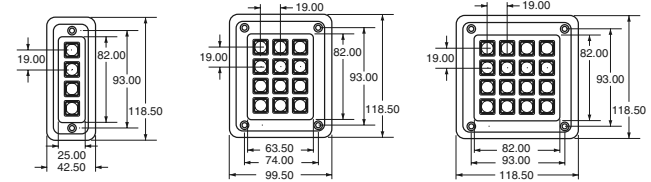
Description	Digi-Key Part No.	Price Each			Storm Part No.
		1	10	50	
Keypad with Polymer Keys	MGR1624-ND	122.47	109.40	96.32	8616-210023
Keypad with Metal Keys	MGR1625-ND	155.94	139.29	122.64	8616-310023
Keypad with Illuminated Keys	MGR1626-ND	155.94	139.29	122.64	8616-410023
Mount Kit For SF6000 Series	MGR1627-ND	9.44	8.44	7.43	8600-MK0003

K Range Keypad System

Interchangeable for Different Environments/Applications



Storm K Range keypads are 100% interchangeable to suit any application. Each series is identical in size and mounting specifications, allowing for easy price/performance selection for different environments. Each keypad is available in calculator or telephone formats (arrows or F-Keys on the 4-key version) or the end user may customize by using optional blank keys. All keypads are compatible with the Storm Universal Encoder and include instructions and a gasket seal. Storm K Range Keypads are ideal for access control, pin numbering/banking functions and the kiosk application.



Storm 1000 Series – Public/Outdoor Environments

• Anti-Vandal design ideal for public environment • Features metal casing and keys • Fully sealed, to IP67, for use in outdoor environments • Key Color: Silver • Case Color: Silver • Operational life: 4 Million cycles (min) per key • Operational Temperature Range: -40°C – 100°C • Gold on nickel plated FR4 contact PCB • Connector: 0.1" pitch, gold plated, square pin, male

Storm PLX Series – Anti-Vandal, Industrial Sealed Keypad

• Tough metal key keypad with polymer housing • Ideal for public and industrial environments • Sealed to IP65 for exposed environments • Case Color: Black • Key Color: Silver • Operational life: 4 million cycles (minimum) per key • Operational Temperature Range: -40°C – 100°C • Gold on nickel plated FR4 contact PCB • Connector: 0.1" pitch, goldplated, square pin, male

Storm 2000 Series – Harsh Industrial/Wet Environments

• Impact resistant industrial keypad • High impact resistant polymer casing and keys • Sealed to IP65, allowing pressure hose wash • Case Color: Mid Gray • Key Color: Light Gray • Operational life: 4 million cycles (min) per key • Operational Temperature Range: -25°C – 85°C • Gold on nickel plated FR4 contact PCB • Connector: 0.1" pitch, gold plated, square pin, male

Storm 3000 Series – General Service/Sheltered Outdoor Use

• Reliable keypad for sheltered environments • General service polymer casing and keys • Rain and splash proof to IP54 specifications • Case Color: Mid Gray • Key Color: Light Gray • Operational life: 2 million cycles (min) per key • Operational Temperature Range: -10°C – 85°C • Connector: 0.1" pitch, gold plated, square pin, male

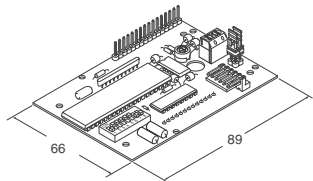
Keypad Interface

Storm 420 Series Encoders provide an interface between keypads and host systems. Converting the matrix output from Storm keypads, the encoder sends RS232 output to a host system, via the 6 pin .100" (2.54mm) pitch connector.

Features: • Input Power +5V ± 0.25VDC • RS232 Output via 6 pin Molex .100" (2.54mm) Pitch KK Series Connector • Drives Powerit's 80 character LCD Display from keypad • RS232

Mates With: • Connector: WM2004-ND • Contact: WM2312-ND

MGR1602-ND \$79.90



Description	Digi-Key Part No.	Price Each	Storm Part No.
1000 Series - Vandal Resistant - (Silver Diecast Housing)			
4-Key Keypad, Arrow keys	MGR1512-ND	50.28	1K041103
4-Key Keypad, F1-F4 keys	MGR1511-ND	50.28	1K042103
12-Key Keypad, Telephone	MGR1513-ND	72.63	1K12T103
12-Key Keypad, Calculator	MGR1501-ND	72.63	1K120103
16-Key Keypad, Telephone	MGR1514-ND	87.15	1K16T103
16-Key Keypad, Calculator	MGR1601-ND	87.15	1K160103
PLX Series			
4-Key Keypad, F1-F4 Keys, Black Case	MGR1541-ND	43.73	PLX042203
4-Key Keypad, Arrow Keys, Black Case	MGR1542-ND	43.73	PLX041203
12-Key Keypad, Calculator Format, Black Case	MGR1543-ND	63.19	PLX120203
12-Key Keypad, Telephone Format, Black Case	MGR1544-ND	63.18	PLX12T203
16-Key Keypad, Calculator Format, Black Case	MGR1545-ND	75.80	PLX160203
16-Key Keypad, Telephone Format, Black Case	MGR1546-ND	75.79	PLX16T203
2000 Series - Industrial - (Mid-Gray Impact Polymer Housing)			
4-Key Keypad, Arrow Keys	MGR1516-ND	34.63	2K041103
4-Key Keypad, F1-F4 keys	MGR1517-ND	34.63	2K042103
12-Key Keypad, Calculator Format	MGR1518-ND	50.28	2K120103
12-Key Keypad, Telephone Format	MGR1519-ND	50.28	2K12T103
16-Key Keypad, Calculator Format	MGR1520-ND	61.44	2K160103
16-Key Keypad, Telephone Format	MGR1521-ND	61.44	2K16T103
3000 Series - Commercial - (Mid-Gray General Service Polymer Housing)			
4-Key Keypad, Arrow keys	MGR1523-ND	22.11	3K041103
4-Key Keypad, F1-F4 keys	MGR1524-ND	22.11	3K042103
12-Key Keypad, Calculator Format	MGR1525-ND	32.61	3K120103
12-Key Keypad, Telephone Format	MGR1526-ND	32.61	3K12T103
16-Key Keypad, Calculator Format	MGR1527-ND	39.66	3K160103
16-Key Keypad, Telephone Format	MGR1528-ND	39.66	3K16T103
Accessories			
Blank Keys for 1000 Series 4 pieces	MGR1515-ND	6.77	1K000003
Blank Keys for 2000/3000 Series 4 pieces	MGR1522-ND	2.47	2K000003
Rear Casing for 12-Key Keypads	MGR1536-ND	33.84	RC120203
Privacy Shroud for 12-Key Keypads	MGR1562-ND	36.22	1KFS0203

‡ 4-Key Mating Connector use Digi-Key Part Number: WM2003-ND (Connector, 1 pkg)/ WM1114-ND (Contacts, 1 pkg)
 † 12 Key or 16-Key Mating Connector use Digi-Key Part Number: WM2006-ND (Connector, 1 pkg)/ WM1114-ND (Contacts, 1 pkg)

Environmentally Sealed Keypads 700 Series



The 700 Series of sealed keypads intended are for use individually or as modular building blocks to create more complex key-panel layouts. Unlike other sealed keypads, the 700 series have excellent tactile characteristics providing fast and reliable data input. When a keytop is depressed a conductive rubber pill makes contact with a gold on nickel plated PCB. These contact materials provide the highest level of protection against corrosive atmospheres and contact oxidation. Each keypad has interchangeable keypad legend tiles. Keypads come in two colors, gray or black, and feature a matrix style output. Instructions and pinouts are included. Compatible with Storm Universal Encoder part number "MGR1602-ND".

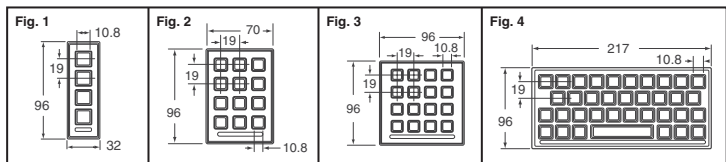


Fig.	Description	Digi-Key Part No.	Price Each	Storm Part No.
1	4 Key Keypad with Legend Set A, Gray	MGR1101-ND	29.13	70040103
	4 Key Keypad with Legend Set A, Black	MGR1111-ND	29.13	70042003
2	12 Key Keypad with Legend Set A, Gray	MGR1102-ND	38.84	70120103
	12 Key Keypad with Legend Set A, Black	MGR1112-ND	38.84	70120203
3	16 Key Keypad with Legend Set A, Gray	MGR1103-ND	50.35	70160103
	16 Key Keypad with Legend Set A, Black	MGR1113-ND	50.35	70160203
4	36 Key Keypad with Legend Set B & C, Gray	MGR1104-ND	84.27	70360103
	36 Key Keypad with Legend Set B & C, Black	MGR1114-ND	86.41	70360203
	Legend Set A 0-9, Arith. Function, Arrows	MGR1201-ND	4.80	70A00103
	Legend Set B Computer Legend, Arrows	MGR1202-ND	4.80	70B00103
	Legend Set C Alphabet Legend	MGR1203-ND	4.80	70C00103
	Legend Set D F1-F12, Misc. Keys	MGR1204-ND	4.49	70D00103
	Legend Set E Blank Legend	MGR1205-ND	4.62	70E00103
	Legend Set F 0-9, Ent, Off, +, -, #, *	MGR1206-ND	4.62	70F00103
	Under Panel Mount Clip (2 pcs.)	MGR1401-ND	4.33	7004CL03

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

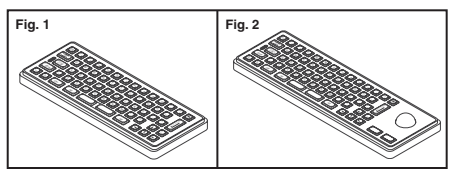


Fig.	Description	Digi-Key Part No.	Price Each	Storm Part No.
1	Vandal Resistant Keyboard, 61-Key	MGR1609-ND	346.18	2210-220023
	Vandal Resistant Keyboard, 75-Key including F-Keys	MGR1613-ND	369.29	2220-220023
	Vandal Resistant Keyboard, 93-Key including number pad	MGR1614-ND	415.52	2230-220023
2	Vandal Resistant Keyboard, 63-Key with Poly TB	MGR1610-ND	507.99	2210-220223
	Vandal Resistant Keyboard, 63-Key with Metal TB	MGR1611-ND	577.34	2210-320223
—	Foot Mounting Kit for 2200 Series	MGR1617-ND	22.29	2200-FK0003

Free shipping on orders over \$200 CAD! All prices in Canadian dollars and include duty and brokerage fees.

2262 (CA2011)

1-800-344-4539 • www.digikey.ca • 218-681-6674 • Fax: 218-681-3380