



Key Technology Rugged System Ltd

东莞市键特电子有限公司



Head Office Add: B702, Building 1, Tianan Cyber Park, Huang Ge North Rd, Longcheng Subdistrict, Long Gang District, ShenZhen, Guang Dong Province, P.R. China.
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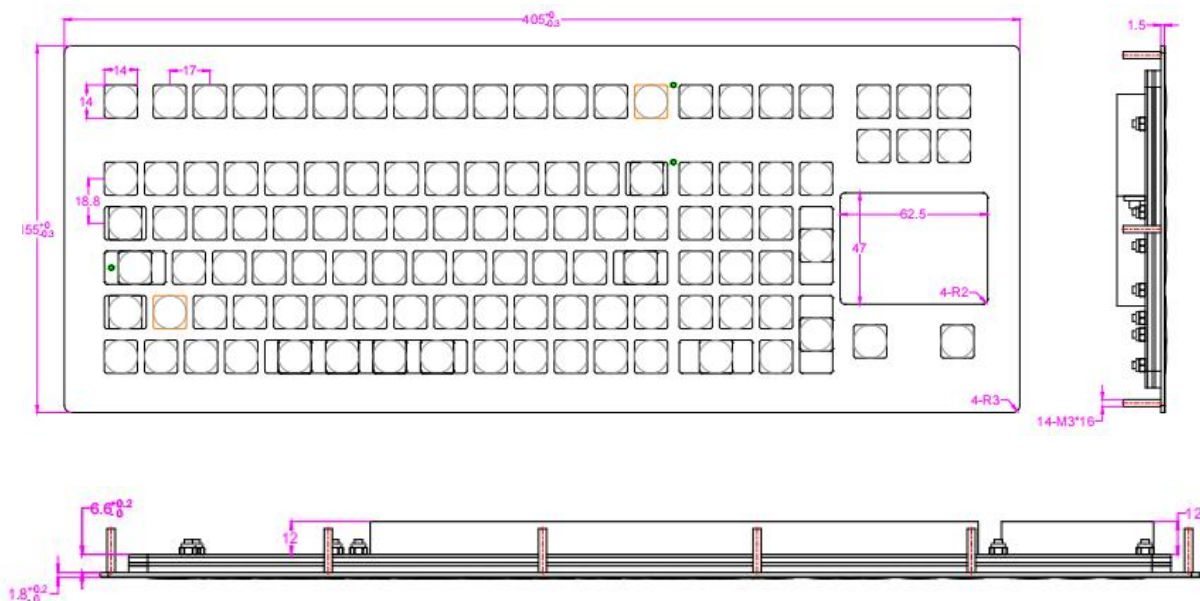
E-mail: sales01@rugged-system.com, sales05@rugged-system.com

Website: www.rugged-system.com, www.rugged-key.com

Model NO.: K-TEK-D405TP-KP-FN-SW

DESCRIPTION: 108 keys IP65 dynamic rated industrial membrane keyboard with integrated numeric keypad and function keys on the upper line, IP65 dynamic sealed and ruggedized tough touchpad for fast and accurate cursor position, industrial PCB with OMRON switch technology with short stroke 0.45mm with extremely good tactile feeling for reliable data input, with “**FN + Lock**” combination key for easy cleaning via lock/disable the entire keyboard without needing to take the keyboard from PC, surface mounted extremely flush with anti-microbial, durable and scratch-proof polyester withstand to most chemicals and liquids under the harshest environments, with ruggedized brushed stainless steel back plate with mounting studs for top panel mounted solution.

DIMENSIONS: 405.00mm x 155.00mm (top panel)





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MECHANICAL DATA	
Number of keys	108 keys (including 2 mouse buttons)
Key switch Technology	OMRON switch technology with short stroke 0.45mm for stable and accurate data input
Actuation Force	2.0N±0.2N(press point)
Key Travel	0.45±0.05mm
Mounting Type	Top panel mounting
Colors	Black
G.W.	1.60KGs
Switch life	more than 1 million of operations
Key Dimensions (print area)	14.0mm x 14.0mm
Touch pad	sealed and ruggedized tough touchpad
Touchpad cover	Composite
Method	capacitive
More than Lifetime 10 million strokes	
Mutual capacitance sensing	
X/Y axis location detection resolution	40 Counts /mm
X/Y position report	relative
Output (self-detectable depending on cable)	PS2 or USB
Tracking speed	Maximum 1,016 m/sec
Power supply voltage	5VDC ± 0.25V
Current rating (active mode)	< 10 mA
ELECTRICAL DATA	
Supply Voltage	DC +5V±5%
Current Rating	50mA
EMC Standard	EN 55032:2015 EN 55035:2017
Lifespan	> 5 years
Interface	PS2, USB available
OS	All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed).
ENVIRONMENTAL ADAPTABILITY	
Operating temperature	-20℃ to +65℃
Storage temperature	-30℃ to +75℃
Saline mist	96h, IEC60512-6
Damp heat test at +40℃	21 days, IEC 60512-6
Dry heat test at +85℃	10 days, IEC 60512-6
Humidity	100%
Atmospheric pressure	60-106Kpa
RELIABILITY	
RoHS compliant, CE and FCC certified	





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Protection Level	IP65 dynamic (front panel)
Key Lifespan	>1 million actuations
MTBF	>20000H
MTTR	<30min
APPLICATIONS	Industrial, marine, food and beverage, processing factory, medical and pharmaceutical, numerical control machine etc.

