



Key Technology Rugged System Ltd

东莞市键特电子有限公司



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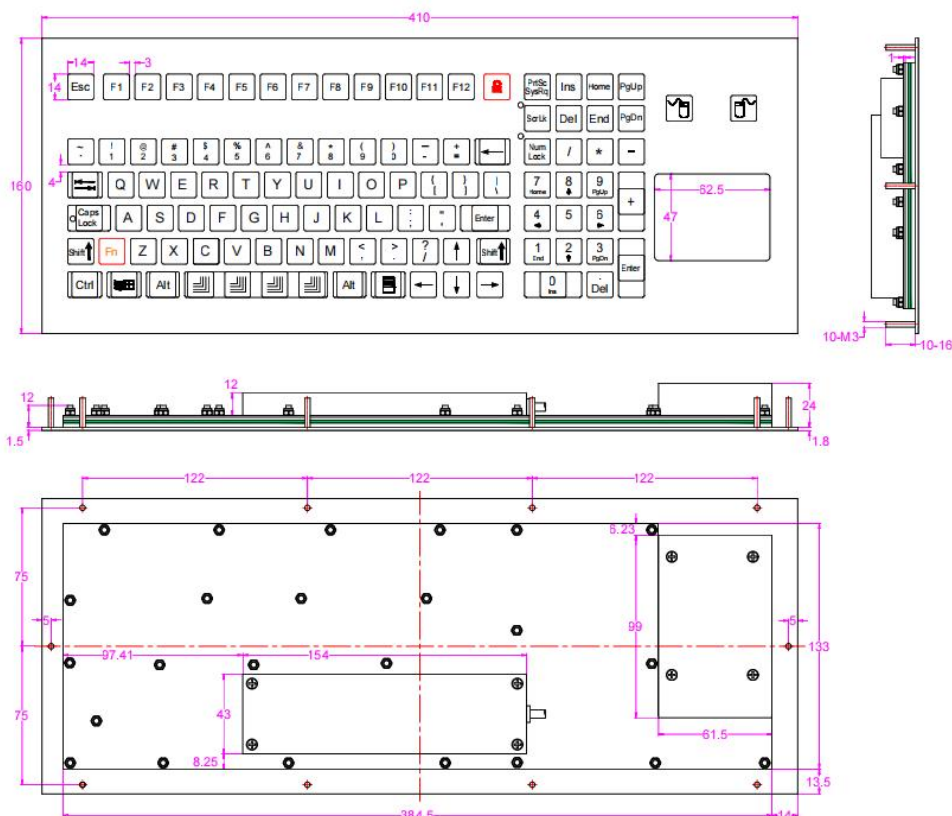
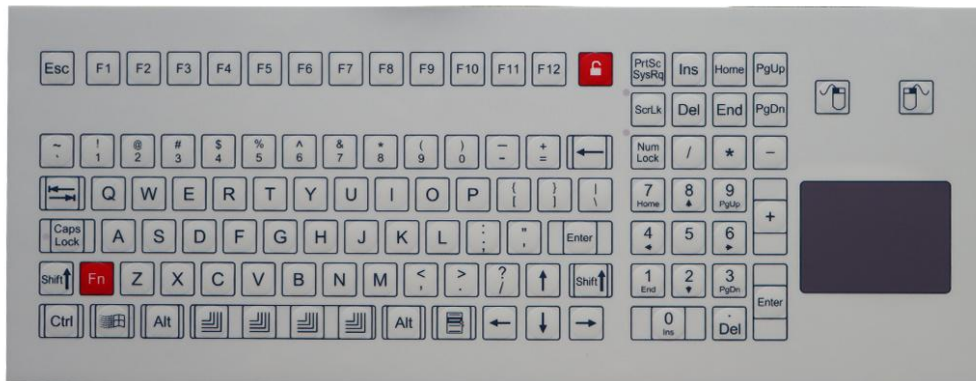
E-mail: sales01@rugged-system.com, sales05@rugged-system.com

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

Model NO.: K-TEK-D410TP-KP-FN-SW

DESCRIPTION: 105 keys IP65 dynamic rated industrial membrane keyboard with full keyboard functionalities with integrated numeric keypad and function keys on the upper line, IP65 dynamic sealed and ruggedized tough touchpad for fast and accurate cursor position, 2.0mm thickness industrial PCB with OMRON switch technology with short stroke 0.45mm with extremely good tactile feeling for reliable data input, with "FN+Lock" key combination 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, ruggedized and backed with stainless steel plate with brushed treatment, with top panel mounted solution.

DIMENSIONS: 410.0mm x 160.0mm (top panel)





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MECHANICAL DATA

Number of Keys	105 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
Key switch Lifetime	1 mil. operations
Mounting Type	Top panel mounting.
Colors	3 (white, black, grey)
G.W.	1.50KGs
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℃
Operating RH	100%
Atmospheric pressure	60-106Kpa
Saline mist	96 hours, IEC 60512-6
Damp heat test at +40℃	21 days, IEC 60512-6
Dry heat test at +85℃	10 days, IEC 60512-6

RELIABILITY

RoHS, CE, FCC





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

