



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.
Factory Add: Floor 7, Building S8, Fenggang Tianan Cyber Park, No. 208 Fenggang Section, Dongshen Road, Fenggang Town, DongGuan, Guang Dong Province, P.R. China.

Tel: +86 755 89239859, +86 755 89230460

Fax: +86 755 89312576

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

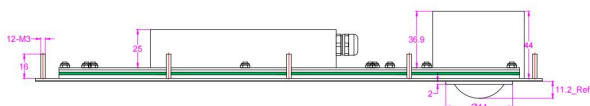
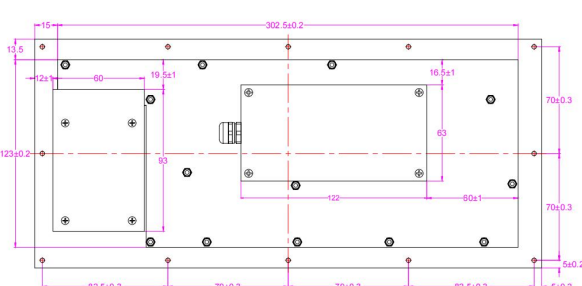
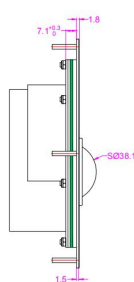
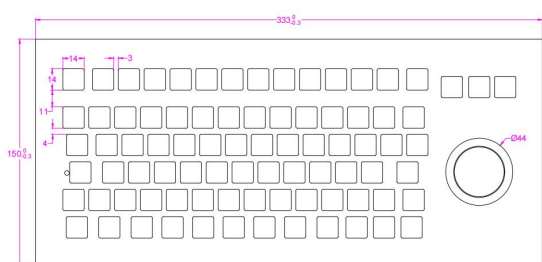
Website: www.rugged-system.com, www.rugged-key.com

MODEL NO.: K-TEK-D333-OTB-FN-SW

DIMENSIONS: 333.0mm x 150.0mm (top panel)

DESCRIPTION: 81 keys compact format IP65 dynamic rated industrial membrane keyboard with function keys on the upper

line & integrated IP68 dynamic rated washable 38.0mm optical trackball module with 800 DPI resolutions for fast and accurate cursor position, industrial PCB OMRON switch technology with short stroke 0.45mm with extremely good tactile feeling for reliable data input, with FN+LOCK key for easy cleaning via lock/disable the entire keyboard without needing to take away 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, the durable fonts printed on the film underneath never fade, ruggedized stainless steel back plate with brushed treatment, with threaded bolts for top panel mounted solution.





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.
Factory Add: Floor 7, Building S8, Fenggang Tianan Cyber Park, No. 208 Fenggang Section, Dongshen Road, Fenggang Town, DongGuan, Guang Dong Province, P.R. China.

Tel: +86 755 89239859, +86 755 89230460

Fax: +86 755 89312576

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

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

MECHANICAL DATA

Number of Keys	81 keys (including 3 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	2 (white, black)
G.W.	1.40KGs
Key Dimensions (print area)	14.0mm x 14.0mm
Trackball	IP68 washable 38mm stainless steel optical ball, or silver hardened resin optical ball
Trackball resolutions	800DPI

ELECTRICAL DATA

Supply Voltage	DC +5V±5%
Current Rating	100mA
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	
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.





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.
Factory Add: Floor 7, Building S8, Fenggang Tianan Cyber Park, No. 208 Fenggang Section, Dongshen Road, Fenggang Town, DongGuan, Guang Dong Province, P.R. China.

Tel: +86 755 89239859, +86 755 89230460

Fax: +86 755 89312576

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

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

