



KEY TECHNOLOGY CHINA LIMITED

深圳市键特电子有限公司



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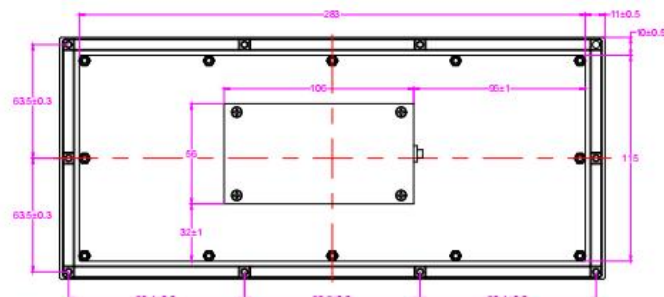
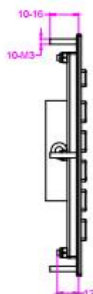
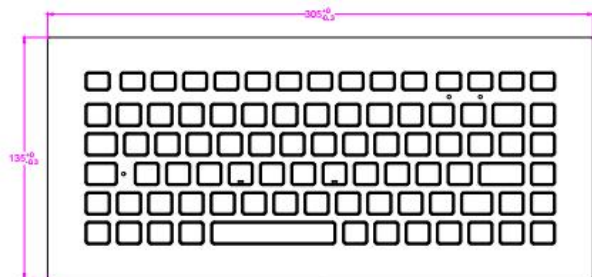
Website: www.rugged-system.com, www.rugged-key.com

E-mail: sales01@rugged-key.com, sales01@key-tek.cn

MODEL NO.: K-TEK-M305-FN-DWP

DESCRIPTION: 86 keys compact format IP65 dynamic water proof vandal proof stainless steel industrial keyboard with silicone keys (white or grey color) for comfortable and quiet typing and 12 function keys (F1, F2, ...F12) are on the top line for easy operation, sealed and ruggedized industrial PCB with carbon-on-gold key switch technology with long stroke (1.40mm±0.10mm) with extremely good tactile feeling for fast and accurate data input without any noise, one complete silicone rubber along stainless steel plate for easy mounting & sealing tightly with cabinet. Top panel with threaded bolts for top panel mounted solution, High quality durable elegant grey spray-paint on the SUS304 front plate surface to withstand the corrosion from water/salt mist. 3 LEDs for Caps Lock/Num Lock/Scroll Lock to indicate on/off, with brushed SUS304 stainless steel back plate and shielding boxes to protect electronics, FN + Clean key to lock/disable the keyboard for easy cleaning without taking away the keyboard from PC, which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc. Designed to meet MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, rain, dust, fungus, solar radiation etc.), as well as military standards: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity; MIL-STD-461G-EMC-EMI-EMS-ESD optional.

Dimensions: 305.0mm x 135.0mm (front panel)





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MECHANICAL DATA

Keys	86 keys
Key top style	Protuberant rectangular keys with tactile feeling
Key Size	12.50mm x 14.00mm
Key travel	1.40mm±0.10mm
Actuation Force	1.6 N±0.2N (pressure point)
Switch life	more than 5 million of operations
Front Plate	1.50mm thickness super quality brushed stainless steel with special elegant grey color
Back Plate	1.50mm thickness super quality brushed stainless steel
G.W.	1.30KG

ELECTRICAL DATA

Supply Voltage	DC +5V±5%
Current Rating	50mA
EMC Standard	EN 55032:2015 EN 55035:2017
Lifespan	> 5 years
Switch Contact Material	Carbon-on-Gold key switch technology with gold PCB
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 Compliant, CE and FCC, ESD	
MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, drop, rain, dust, fungus, solar radiation etc.)	
Protection Level	IP65 dynamic
Lifespan	>5 years
MTBF	>20000H
MTTR	<30min
APPLICATION	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, UAV ground station etc.

