Key Technology Rugged System Ltd
东莞市键特电子有限公司
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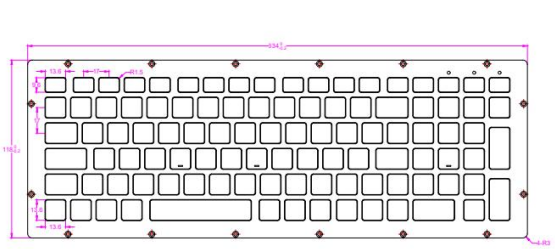
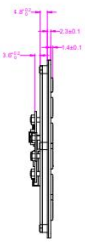
MODEL NO.: K-TEK-M334KP-FN-BL-ML-DWP

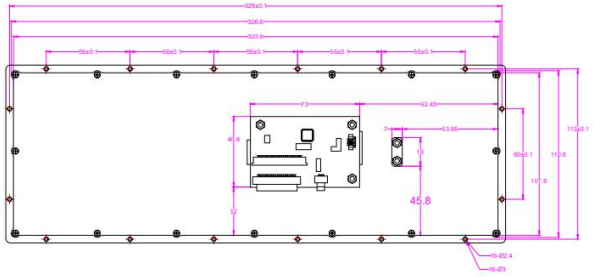
DESCRIPTION: 101 keys IP65 dynamic water proof vandal proof ruggedized industrial keyboard with wide temperature, with durable polymer keys and 12 function keys F1, F2, ... F12 on the top line of keyboard. The high quality ruggedized aluminum alloy top panel is processed by CNC, industrial sealed and ruggedized PCB with carbon-on-gold key switch technology with stroke 1.20mm with extremely good tactile feeling for fast and accurate data input without any noise, high quality durable black titanium spray-paint on the aluminum alloy panel, one complete silicone rubber along the top panel for easy mounting & sealing tightly with cabinet, front panel with countersunk hole for easy top panel mounting and maintenance. Adjustable backlight included (White or Red etc). FN + Clean combination keys for easy cleaning without taking the keyboard away from PC, and avoid mis-operation or mis-typing, USB or matrix output optional.Designed to meet MIL-STD-810H (high and low wide working temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, drop, rain, sand and dust, fungus, solar radiation etc.),and MIL-STD-461G-EMC-EMI-EMS-ESD (optional), as well as the critical military standards in these 10 aspects: reliability, safety, maintainability, testability, supportability, environmental adaptability, stability, compatibility, consistency, and continuity.
Dimensions: 334.0mm x 118.0mm (front panel)

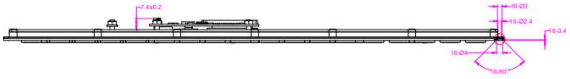












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MECHANICAL DATA	
Actuator/keys	101 keys, durable and robust polymer keys
Key top style	Protuberant rectangular keys, laser engraved & etched legends & raised braille on keys are available
Actuator/keys materials	polymer
Plate	High quality ruggedized aluminum alloy top panel processed by CNC
Key travel	1.20mm
Actuation Force	1.0N±0.2N for key 13.6mm x 13.6mm (pressure point),1.5N±0.2N for key 13.6mm x 31.6mm (pressure point)
Switch life	more than 5 million of operations
Lettering	laser-etched or high quality ink print
ELECTRICAL DATA	
Supply Voltage	DC +5V±5%
Current Rating	30mA for keyboard without backlight. 300mA for keyboard with backlight on.
EMC Standard	EN 55032:2015 EN 55035:2017
Lifespan	> 5 years
Switch Contact Material	Carbon-on-Gold key switch technology PCB
Interface	PS2, USB available
OS	All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed).
ENVIRONMENTAL ADAPTABILITY	
Operating temperature	-40℃ to +75℃
Storage temperature	-45℃ to +85℃
Operating RH	30-90%
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 working temperature, low pressure, humidity, vibration, shock, salt spray, temperature shock, drop, rain, sand and dust, fungus, solar radiation etc.)	
Protection Level	IP65 dynamic (front panel)

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Vandal resistant	IK09
Key Lifespan	>5 million actuations
MTBF	>20000H
MTTR	<30min
APPLICATIONS	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, UAV ground station etc.