KEY TECHNOLOGY CHINA LIMITED
深圳市键特电子有限公司

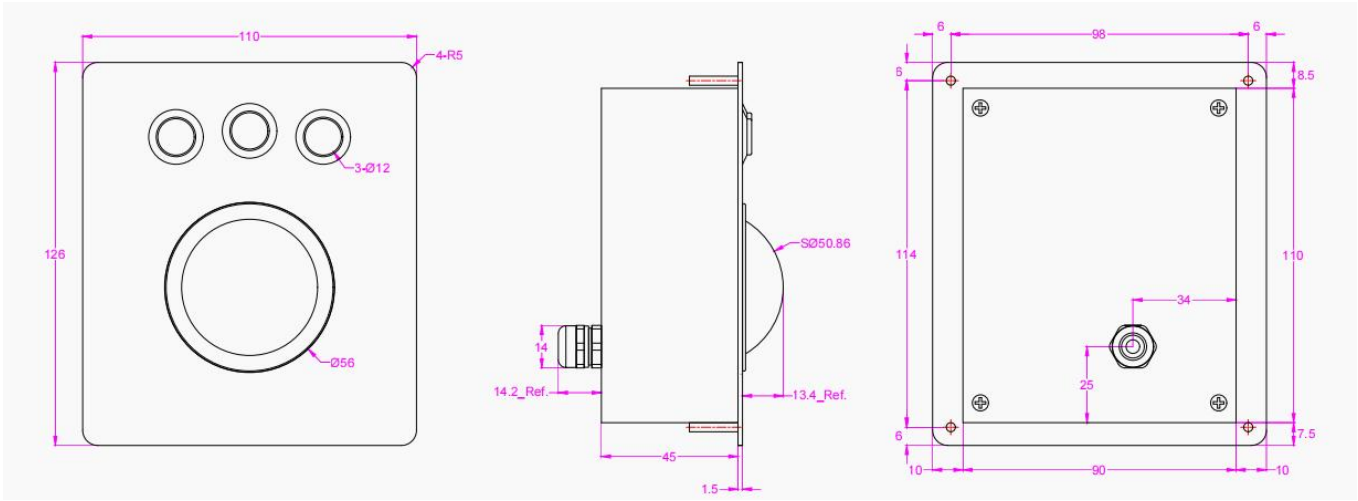
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Model NO.: K-TEK-B110-50-MTB-AVB-ML-BT

DESCRIPTION: IP65 static vandal proof trackball with 50.8mm military grade mechanical trackball module with black hardened resin ball, with adjustable 200~2000DPI dynamic resolutions, with sealed 3 metal mouse buttons for left and right clicking, middle scrolling button with ball rolling. 1.50 mm top stainless plate and threaded bolts for top panel mounting solution, high quality scratch-proof black titanium electroplated on front stainless steel and optional keys to withstand salt spray, designed to meet MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, 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: 110.0mm x 126.0mm (front panel)





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MECHANICAL DATA	
Keys	3 keys
Key travel	1.40mm
Actuation Force	2.5N±0.2N
Trackball	50mm black resin mechanical trackball
Trackball lifespan	> 2 millions scrolling
G.W.	0.6KGs
ELECTRICAL DATA	
Supply Voltage	DC +5V±5%
Current Rating	17mA
EMC Standard	EN 55032:2015, EN 55035:2017
Lifespan	> 5 years
Interface	USB, PS2
Cable length	Standard 2.0m, customized length 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	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, MIL-STD-810H (high and low wide temperature, low pressure, humidity, vibration, shock, temperature shock, rain, salt mist, dust, fungus, solar radiation etc.).	
Protection Level	IP65 static
Key Lifespan	>1 million actuations
MTBF	>20000H
MTTR	<30min
APPLICATIONS	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, UAV ground station etc.