

1.1 PRODUCT DATA

INTRODUCTION To compliment the range of kiosk keyboards from Rafi GB an additional version has been introduced designed for the most hostile environments.

For kiosks sited in unsupervised sites or for extra protection anywhere, Rafi has developed a stainless steel keyboard in both panel mount and housed versions offering the combined benefits of extra robust construction, enhanced data input and attractive appearance. The keyboards utilise all stainless steel front end components to resist sustained attacks from vandals as well as accidental damage such as spilt drinks.

KEYBOARD By removing all unnecessary keys and adding browser-specific ones together with the integration of a high quality trackball Rafi has developed a keyboard customised for interactive kiosk applications.

The key layout is reduced in size but retains the familiar keyblock areas. Function-specific keys such as www., .co.uk and .com have been incorporated into the keyboard for the convenience of e-kiosk users (see housed keyboard below). A browser mouse button has also been added to enable easy scrolling of viewed pages.

The keyboard utilises Rafi's RK90 discrete-click tactile switch system with solid stainless steel or black hard anodised aluminium keycaps. The specially designed keycaps are secured by a protective front plate. Also to protect the pcb and switches a support plate prevents the key from 'bottoming out' on the switch.

To enable easy integration into metal, plastic or wood kiosks, twelve M5 x 25mm long studs are provided for panel-mounted units.

For the housed version, blind bushes are incorporated in the base to secure the keyboard and provision is made for the cable to exit through the base. Holes are provided to drain off any liquid spillage.

PS/2 connection to the host is via a straight cable (length approx. 2m) terminated in 6 pin mini DIN plugs marked keyboard and mouse.

USB connection is via one straight cable (length approx. 2m) with single USB-B 4 way socket.

TRACKBALL The 38mm diameter solid stainless steel or high quality phenolic trackball uses precision components and superior optical encoders to produce a high quality device. Sealing is provided by a full floating, self lubricating PTFE seal providing effortless cursor tracking yet maintaining a sealing level to IP65 when stationary. A support plate prevents the trackball from being pushed through the keyboard. A pressed stainless steel bezel protects the seal of the panel-mounted and housed versions.

Please see reverse for full technical details

RAFI

RUGGED STAINLESS STEEL KEYBOARDS FOR PUBLIC ACCESS TERMINALS

IBM PS/2 and USB compatible

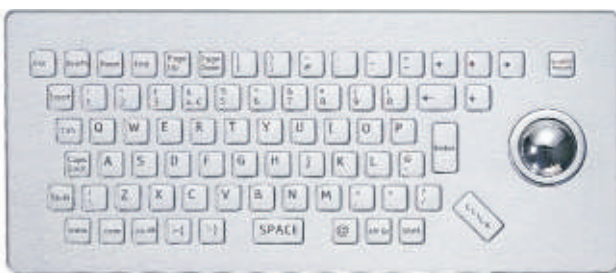
FEATURES

- Application specific layout
- High quality stainless steel or plastic trackball
- IBM PS/2 and USB keyboard and trackball
- Vandal resistant
- Panel-mount or housed 'desk top' versions
- Compact
- Sealed to IP65
- Custom versions (including key cap legends) available
- Choice of low profile stainless steel or high visibility anodised aluminium keycaps

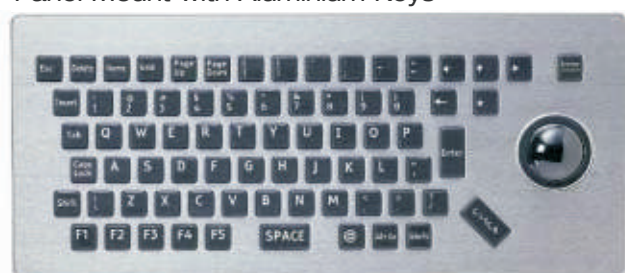
Housed Stainless Steel



Panel Mount Stainless Steel



Panel Mount with Aluminium Keys



1.2 PRODUCT DATA

TECHNICAL SPECIFICATION

SWITCHES	Rafi RK90 with 2.5N operating force
SWITCH OPERATING LIFE	> 1 million operations
FRONT PLATE	2mm brushed stainless steel
HOUSING	1.5mm brushed stainless steel
KEYCAPS	Low profile solid stainless steel with laser engraved legends or black anodised aluminium with laser engraved legends
AMBIENT TEMPERATURE	Operating 0°C to + 70°C Storage -25°C to +80°C
ROBUSTNESS	750N load on front face (EN 45001). 10 Joules impact on front face. Sealed to IP65 on front face.
CONNECTION PS/2	Keyboard 6 pin mini DIN socket Trackball 6 pin mini DIN socket
CONNECTION USB	Single USB-B, 4 way socket
CABLE PS/2	Two straight cables each 2m length
CABLE USB	One A to B straight cable 2m length
SUPPLY VOLTAGE	+5Vdc +/-5%
SUPPLY CURRENT	approx 100mA
DIMENSIONS	Panel Mount 350mm x 150mm x 35mm Panel cut-out 330mm x 122mm Housed version 370mm x 150mm x 50mm (to top of trackball)

STANDARDS CE approved. These products conform to the following standards. EN55022 Class B Part 2 (full compliance is conditioned by the adequate integration into the complete machine system by the user. All major components are to UL specification.

RAFI

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INVESTOR IN PEOPLE

Other layouts and colours available on request.

These keyboards are designed for use by the public. Their purpose is to be durable yet still provide a good quality user interface. However, sustained heavy attacks from screwdrivers, hammers, glue etc. may cause damage to the unit.

UK LAYOUT

