HIGH-END COMPONENTS

KEYBOARDS AND POINTING DEVICES

ELECTRONIC HOUSING

HUMAN-MACHINE INTERFACES

www.fimor-electronics.com
KEYBOARDS AND SILICONE AND/OR PLASTIC PARTS
Expertise in custom silicon keyboards, complete with decoration and connector, contact membranes, zebras, individual keys. Numerous decoration techniques available: double-compression, screen printing, pad printing, painting, laser engraving, backlighting..., coating of various finish: matt, glossy, PU, epoxy varnishes...
Material combination and assembly possible: co-molding of different hardnesses, metal or plastic over-molding. Production of sub-assemblies (plastic + elastomer assembly) and contact membranes (silicone, polyester, metal domes). Production of injected plastic parts (ABS, ABS/PC, POM, TPE, TPU, EPDM...) with multi-material over-molding.

MEMBRANE KEYBOARDS
Membrane keyboards consist of a front panel, a flexible circuit and an Adhesive, printed and formatted to fit mechanical or plastic parts and control panels.

DECORATIVE FRONT PANELS / TECHNICAL LABELS
Front panels and the technical labels are designed in CAD and can be printed to match RAL, Pantone or existing samples. Color matching is validated on a spectrophotometer.

E.L. LAMPS (Electroluminescent)
E.L. lamps are designed and manufactured to match your needs and can get integrated into your membrane keyboards. Economical, flexible, thin, and energy-efficient (34W/m²).

PAD PRINTING
Pad printing is a process enabling the decoration and branding of most complex shapes and objects.

EMBEDDED ELECTRONICS
IHM FRANCE® and its worldwide partners provide a large range of solutions combining different manufacturing specialties (screen printing, keyboard molding, touch screen integration...).
WATERPROOF SILICONE KEYBOARDS
• Rugged ABS polycarbonate housing
• Flat and compact
• Dust, water, corrosive liquid proof, IP65, IP67, IP68
• Compatible with most disinfectants used in hospitals
• Multiple possible configurations (backlighting, built-in, Bluetooth, touchpad...)

Suitable for harsh environments (military, medical).

ANTI-VANDALISM KEYBOARDS
• Stainless steel
• IP65 protection
• Built-in or desktop versions
• Versions integrating trackball, touchpad and/or numeric keypad

For industrial or information automation and point-of-sale applications.

WATERPROOF AND VANDAL-RESISTANT TRACKBALLS
• Stainless steel
• Standard rolling ball or optical technology.
• 3-button function
• Resistance index from IP54 (standard) to IP68 (optical)

Especially designed for military grade applications and multimedia kiosks.

HIGH-END MINIATURE FANS
• Extra flat from 25x25 to 120x120 mm
• Axial flow from 24 to 80 mm in diameter
• Radial flow (pressure ≤ 15hPa)
• For breathing mask

Best flow/pressure/noise ratio on the market with MTBF of up to 50,000h guaranteed.

LEDS, DISPLAYS AND INDICATORS
• High brightness
• Different colors
• LED displays in all sizes
• Waterproof LED indicators (IP68)
• Display holders
• PGA, BGA ZIF, DIN, Sub-D connectors, etc...

HIGH STABILITY RESISTORS
• High power (≤ 2000W)
• High voltage (≤160KV)
• High ohmic values (≤10 TeraOhms)
• Low ohmic values (from 0.003 Ohms)
• Low Tolerance (± 0.005%)
• Low temperature coefficient (± 1ppm)

OTHER COMPONENTS
Connectors, microswitches, limit switches, resistive chips, relays, miniature transformers, encoding wheels, shunts...

APPLICATIONS
INDUSTRIALS
MEDICALS
MILITARY
MULTIMEDIA
HOUSING CABINETS, 19” RACKS
• Standard and custom-made
• Aluminium or rotomoulded plastic
• Aluminium profiles.

CASINGS
• DIN 43700 panels
• Small portable boxes
• Pre-cut windows for LCD
• Plastic, aluminum or stainless steel
• 300 standard models or custom-made

TECHNICAL CASES
• Aluminum, resin, injection molding
• Ultra-resistant
• Machining, screen printing, foam cutting options
• Security locks
• Integration of equipment possible
• Anti-shock and ultra-lightweight
• Dust, water, extreme temperature and chemical resistant (IP65)

FIMOR distributes high-tech components and parts in partnership with international partners such as:

Markets specialties :
APRA NORM, DDM HOPT+SCHULER, DOLD, EVERLIGHT, GETT, LEDTRONICS, MAGNECRAFT STRUTHERS-DUNN, NICHIA, HPRC, PRINTEC DS, PRC, RCD, SANTOX, SASSE, SPITZNAGEL ...

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