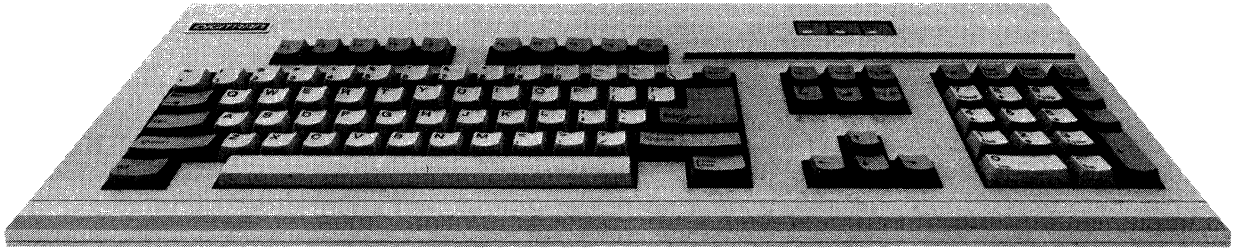


CUSTOM KEYBOARDS FOR UNIQUE OR DEMANDING APPLICATIONS



For the past 15 years, Digitran has successfully offered custom keyboards for the most demanding applications. Our keyboard customers buy from us because our keyboards are reliable, rugged and can withstand the solvents, solutions, liquids, dust and temperature ranges to which their equipment is exposed. Every keyboard we manufacture is designed to meet our customer's unique key layout, dimensions, environment, specifications, options and enhancements.

Experienced, innovative design along with automated, vertically integrated manufacturing enables Digitran to offer unmatched flexibility and freedom in keyboard layout and features. Application by application, Digitran's custom keyboards have built a proven record of field tested reliability. We specialize in rigorous applications such as:

- Point of Sale Terminals
- Industrial Controllers
- Medical Instrumentation
- Telecommunications Systems
- Military Systems
- Intelligent Terminals
- Graphics CAD/CAM Terminals
- Test Instrumentation

Our microprocessor based, intelligent keyboard and application specific firmware allows us to integrate a multitude of Electrical Interface Protocols and Data Input Peripherals, including:

INPUT PERIPHERALS:

- Mouse, Trackball, Lightpen or Isopoint
- Bar Code and Magnetic Stripe Readers
- LCD Displays
- Infra-Red Remote Control
- Touch Sensitive Input Pads

INTERFACE PROTOCOLS:

- PS-2, PC-AT & PC-XT
- ASCII & TTL
- RS-232 Asynchronous
- RS-422 Synchronous
- RS-423 & Parallel
- Variable BAUD Rates
- Multiple Level Key Encoding

RELIABLE, EXTENDED LIFE: Our full-travel keyboards use our patented capacitance keyswitches which have a rated life of 100 million cycles. We use double-shot legended keycaps and rigid FR4 printed circuit boards to provide the component reliability required to remain compatible with our 100 million lifecycle capacitance switches.

ENVIRONMENTALLY QUALIFIED: We provide keyboards for the widest of temperature ranges. All of our full travel, capacitance keyboards include our PF-SHIELD: a thermoplastic film that provides environmental protection against dust, liquid spills, water spray, industrial solvents and most laboratory solutions. To maintain the professional image of your equipment, PF-SHIELD is "hidden" underneath your enclosure or front panel, eliminating unsightly plastic, rubber or membrane keyboard overlays.

CUSTOM LAYOUTS: We offer custom layouts from 2 to 400 key positions. Our keyboards can be open frame to mount directly in the host system, or we can provide metal and plastic enclosures for standalone keyboards. In addition, any combination of standard or custom legends, keycap colors and clear plastic, relegendable keycaps may be selected to meet the specific application.

SUBSYSTEM ENGINEERING & MANUFACTURING

In addition to keyboards, XCEL Corporation offers the design, manufacturing and integration of electronic data input and display devices into complete subsystems. We design and manufacture data input devices using our patented capacitance switch technology, as well as membrane, conductive rubber, and snap dome switch technologies. We design and manufacture our own CRT monitors, and have considerable expertise integrating flat panel displays including LCD, plasma, electroluminescent (EL) and vacuum fluorescent. We can design and integrate specialty lighting including LED, EL, ANVIS Night Vision, fiber optic and Infra-Red.

XCEL Corporation combines 35 years experience designing and developing data input and display devices with our extensive, vertically integrated manufacturing capability to offer a complete solution: From concept through design to zero-defect manufacturing. Our goal is to become an extension of your engineering and manufacturing team by reducing your data input and display design and manufacturing costs, your vendor coordination, and your capital equipment investment. XCEL Corporation specializes in:

- Custom Control Panels, Front Panels & Display Panels
- Custom Keyboards & Keypads

- Very Broad Range of Digital Switches Including Thumbwheel, Lever, Push-button & Push Wheel
- High Resolution Color and Monochrome CRT Monitors and Power Supplies
- Custom Applications of Flat Panel Displays Including LCD, Electroluminescent, Plasma and Vacuum Fluorescent
- Specialty Lighting Including LED, EL, Fiber Optic, ANVIS Night Vision, Infra-Red

For conceptual design assistance, technical and budgetary proposals, or ordering information, contact our Marketing Director.

Let Digitran integrate your keyboard/keypad into your subassembly. Contact Digitran's Subsystems Engineering and Manufacturing Services Center at (714) 391-4321. Also see our monitors (2450) and switches (5100).

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DIGITRAN[®]
A DIVISION OF XCEL CORPORATION

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