TOKN MEDIA   TOKN KB16

low cost 16-port keyboard I/O encoder/expander

Overview

- Tokn KB16 is a commercial keyboard controller that allows you to customize your application through the addition of external hardware controls such as pushbutton switches, joysticks, and coin doors. These controls can work in conjunction with or fully replace your keyboard as the user interface for your application. This type of interface is more simplified than a keyboard and helps restrict user input to a defined set of key presses. Custom controls abstract the fact that the underlying hardware is a PC, making TOKN KB16 ideal for PC based products such as multi-arcade and electronic casino machines.

- Power is obtained from the PC keyboard port via a 6-pin mini DIN cable so there is no power supply needed. An additional DIN connector on the PCB allows you to simultaneously attach a keyboard or even another KB16 controller. Up to 16 custom controls connect via an on board 2x16 floppy drive style pin header.
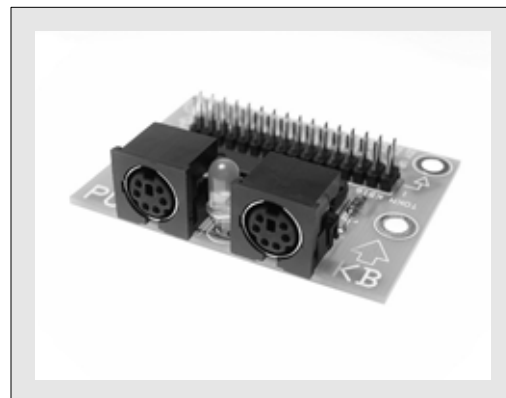
Features

- 16 general purpose short circuit protected inputs
- High speed 16Mhz 16MIPs processor
- Multi-function activity/status LED
- Full keyboard passthrough support
- Non-blocking interrupt driven software design
- On board EEPROM automatically stores custom key assignments
- XP/Win2000/Win95/Linux/DOS/MAC compatible
- Extremely compact size, 2.25" x 1.75"
- Simple key assignment by pressing keyboard and button simultaneously for 2 seconds.
- Supports connection of multiple encoder/expanders in series
- Powered via PC keyboard port. No external power supply needed.
- Fast ghost free input scanning
- Full host command support so PC can boot without keyboard.
- MAME(tm) and other default key assignments available
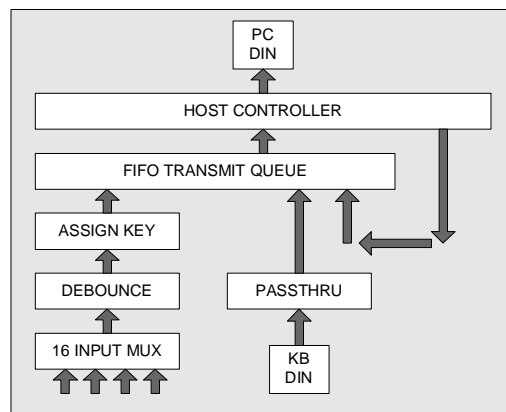- Ease of use. No electrical expertise needed.

Ordering Information

- eBay keyword search TOKN KB16
- http://www.tokn.net, http://www.toknmedia.com
- email matt.palumbo@comcast.net

Fig 1: Product photo

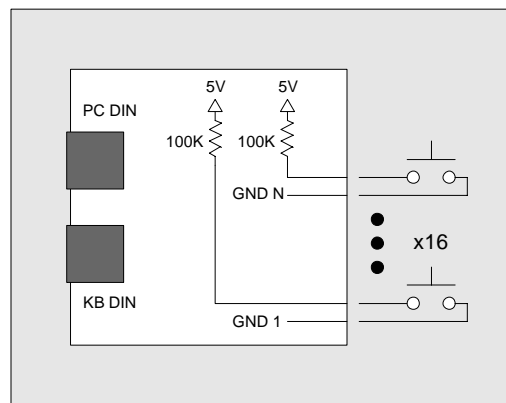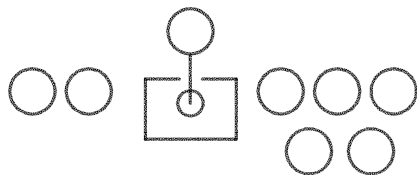Fig 2: Internal Block Diagram

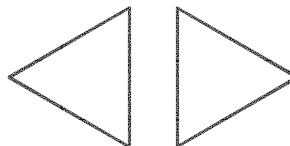Fig 3: Typical Operating Circuit

Applications

ARCADE   INDUSTRIAL CONTROLS   KIOSKS, JUKEBOXES   VENDING