

# KEYAT Keyboard Port Adapter

## Model FA1-E

The Keyat Keyboard Port Adapter allows you to connect to a PC's keyboard port using an RS-232 or RS-485 interface, and still be able to use the existing keyboard. The Model **FA1-E** also provides storage for keyboard strings, an enhanced command set, and the ability to detect PC booting and perform initialization. Typical uses are:



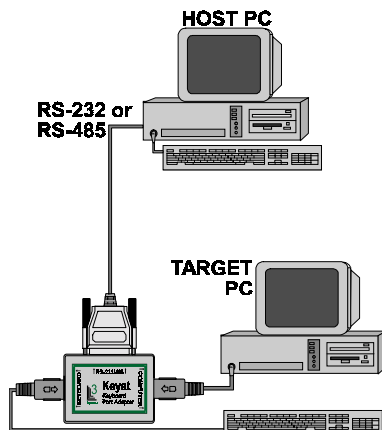
### APPLICATIONS

- **Testing software** - Use the Keyat keyboard port adapter test software applications by simulating keyboard use without having to add any special software or communication hardware to the computer system you are testing.
- **Multi-system testing** - The RS-485 interface allows you to have one host computer control the testing of up to 58 target systems simultaneously.
- **Remote access** - The Keyat allows remote access to a system where other methods are not available.
- **Monitoring keyboard sessions** - Use Keyat to monitor keyboard sessions for developing regression test data, or for detecting key strokes which cause problems with target software.
- **Attach a keyboard to an RS-232 or RS-485 port** - You can use the Keyat to attach a keyboard to a computer's serial port. Handy for low-cost embedded keyboard projects.
- **Keyboard eliminator** - Can be used place of a keyboard, and even be programmed to send an F1 key, just in case.

### FEATURES

- **Both RS-232 and RS-485 included** - No options to order, both interfaces provided.
- **Accepts ASCII, Hex ASCII, DOS scan codes and keyboard codes** - Accepts printable and encoded ASCII characters and maps to the correct key. You can also send DOS scan codes or keyboard codes.
- **Status indicator** - LED port status indicator.
- **No power supply needed** - Runs off of the 5 Volt power from the connected computer.
- **DIN cable provided** - The DIN keyboard extension cable is provided, just plug it in and go.
- **EEPROM storage** - Store up to 32 strings of keys and/or Keyat commands. String can be "chained" together for longer sequences.
- **Boot & Reset Initialization** - The Keyat can sense the boot process, and initialize itself, and send an initialization string to the computer, after a programmable delay.
- **Programmable key delays** - Set delays of 1-99 seconds, making it easier to construct keystroke sequences.
- **Re-map ASCII Characters** - Allows you to redefine or ignore ASCII characters that you specify.
- **Multi-drop polling** - Poll addressing lets you address each Keyat individually, or send the same key to all Keyats.

### TYPICAL CONFIGURATION



### SPECIFICATIONS

<b>Dimensions</b>	3.65"L x 2.4"W x 1.5"H
<b>Power</b>	5 Volt 200mA, 1 Watt
<b>Temperature</b>	0-50°C (32-120°F)
<b>Interface</b>	RS-232/RS-485 (half-duplex)
<b>Communications rate</b>	300/1200/2400/9600 bps
<b>Serial Connection</b>	DB-25S 25-pin connector
<b>Keyboard/Computer Ports</b>	5-pin DIN, female
<b>EEPROM Memory Storage</b>	32 strings, 31 characters each
<b>FCC Approval</b>	Class B

May 1998

**B & B electronics**  
MANUFACTURING COMPANY

707 Dayton Road • PO Box 1040  
Ottawa, IL 61350 USA  
Phone: (815) 433-5100 • FAX: (815) 434-7094