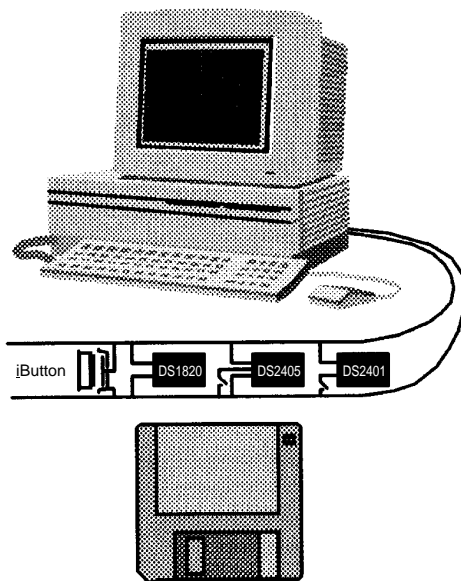


# DALLAS SEMICONDUCTOR

## DS9091K 1-Wire™ MicroLAN™ Evaluation Kit

### FEATURES

- Evaluation kit for 1-Wire MicroLAN networking through the serial port of an IBM PC-compatible computer
- 5 experiments of different complexity demonstrate typical MicroLAN applications such as window/door monitor, temperature monitor, burglar alarm system with integrated room temperature control
- Easy to understand manual explains experiments, communications protocol, MicroLAN components, theory of operation, interfacing and network optimization
- Featured MicroLAN components: DS2401, DS2405, DS1820, DS1990A, DS1993 and DS9097 Serial-Port adapter
- 3<sup>1</sup>/<sub>2</sub>" disk with evaluation software for Windows including C++ source code listings
- Book of DS19xx iButton Standards
- Automatic Identification Data Book
- Touch Connections Catalog



### DESCRIPTION

The DS9091K MicroLAN Evaluation Kit provides hardware, software and documentation for evaluation of Dallas Semiconductor's 1-Wire MicroLAN technology using integrated circuits and iButtons. The software included in the kit runs under Windows on a PC-compatible DOS computer. It consists of 5 modules demonstrating 1) window/door monitor with DS2401, 2) Window/door monitor with DS2405, 3) Temperature logger with DS1820, 4) simulated room temperature control with DS1820 and DS2405 and 5) burglar alarm system with simulated room temperature control. Each experiment can be expanded by simply adding more components available from Dallas Semiconductor.

The kit includes all special electrical and mechanical components required for the experiments. Not included are unshielded twisted pair cable, mechanical switches and a battery (4.5 or 6V). Experiments 4 and 5 allow controlling an electric heater and air conditioner. The relays for power switching are not included. For demonstration and electrical safety, these appliances are replaced by battery-operated LEDs.

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