



PCnet™-Home-KT

Am79C978 Evaluation Kit

DISTINCTIVE CHARACTERISTICS

- Two PCI-based home networking adapter cards
- Compliant with HomePNA™ specification
- Compliant with IEEE 802.3 Ethernet standard
- Two RJ-11 jacks to support 1 Mbps HomePNA networking optimized for home networking applications over existing telephone wire
- One RJ-45 jack to support 10 Mbps Ethernet networking with Full-Duplex and Auto-Negotiation capability
- Supports both 3.3 V and 5 V signaling environments
- Extensive programmable LED status support for four status LEDs
- Complete reference design suite (BOM, Gerbers, OrCAD and PCB files) with software drivers, installation wizard, and Internet sharing software as well as other supporting documents

GENERAL DESCRIPTION

The PCnet-Home-KT evaluation kit has been developed to enable users to quickly enter the Home Phone-line Networking market with minimal hardware and software development efforts.

This evaluation kit includes everything needed to connect two (or more) PCs in a home environment. No additional wires or other hardware are required. The two PCI-based home networking cards included in the evaluation kit show a single-chip home networking design in a compact form factor.

The PCnet-Home device (Am79C978) on each board contains an Ethernet controller, a physical layer device for supporting the IEEE 802.3 standard for 10BASE-T, and a physical layer device for conventional data networking at speeds up to 1 Mbps over existing residential telephone wiring. The integrated HomePNA transceiver provides 1 Mbps home

phoneline networking regardless of topology and without disrupting telephone service. This new technology is truly inexpensive, easy to install, and easy to use.

EVALUATION KIT CONTENTS

- Two PCnet-Home Evaluation PCI adapter cards
- PCnet-Home Evaluation CD-ROM containing:
 - EZ-Install software driver
 - PCnet-Home Preliminary Data Sheet
 - Hardware reference design files (BOM, Gerber, Orcad, and Schematic in .pdf format)
- Am79C978 Product Brief (hard copy)
- AMD PCI Home Networking Controller data sheet (hard copy)

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