Product Specifications

BOCA
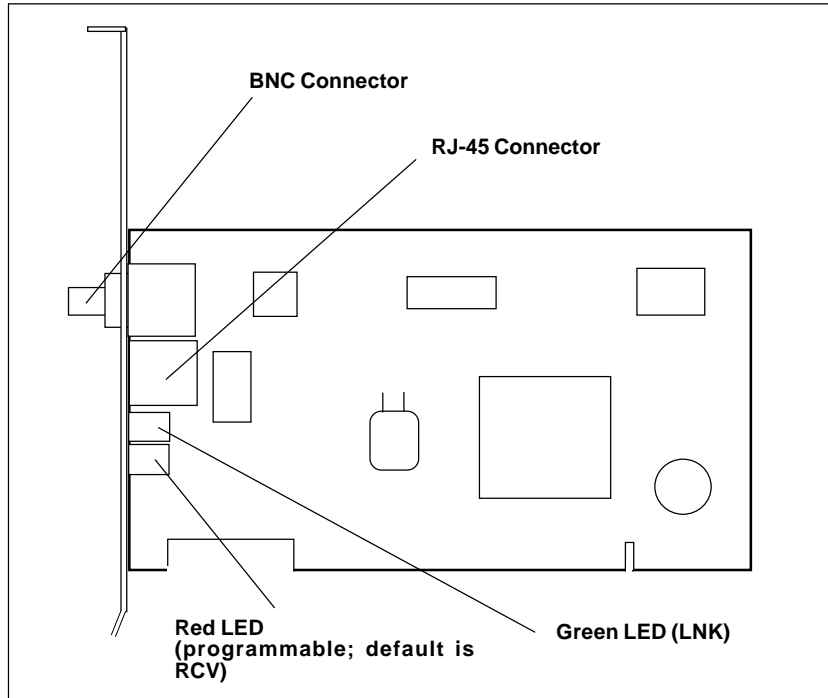RESEARCH INC.

Product Code: BEN1PI
Product Name: BOCALANcard-PCI

♦ Based on the AMD AM79C970KC PCNet-PCI chipset.

♦ Compliant with Revision 2.0 of the PCI Local-Bus standard.

♦ Provides a 32-bit PCI Local-Bus interface.

♦ Provides 120-byte buffer.

♦ Provides two LEDs. 1 green (link status), 1 red (programmable diagnostic).

♦ Provides one BNC (coax) and one RJ-45 connector.

♦ Supports thick and thin Ethernet coax and Twisted-pair cable.

♦ Has no jumpers. The PCI BIOS controls the I/O and IRQ addressing.

♦ Does not use a DMA channel. 32-bit interface maps memory directly.

♦ Dimensions: L4 3/4" x H2 3/4"

♦ FCC: Complies with CLASS A specifications.

♦ Driver support for:
  • Novell NetWare DOS ODI and OS/2 ODI client
  • Novell NetWare 3.1X and 4.X server
  • Artisoft LANtastic 4.1 and 5.0
  • NDIS 2.0.1 (LAN Manager, Windows for Workgroups 3.1, Banyan Vines 5.50)
  • NDIS 3.0 (Windows for Workgroups 3.11, Windows NT)
  • Packet Drivers

♦ Requires the use of the PCNTNW driver on the installation diskette.

♦ The BEN1PI is compatible with Rev 2.0 of the PCI (Peripheral Component Interconnect) standard. In order for the BOCALANcard-PCI to operate, confirm the compatibility of the PCI Local-Bus motherboard to the Rev 2.0 PCI standard. If the PCI Local-Bus motherboard does not conform to rev 2.0, contact the

BNC Connector

RJ-45 Connector

Red LED (programmable; default is RCV)

Green LED (LNK)

motherboard vendor for information regarding the upgrade of the PCI BIOS or motherboard hardware to Rev 2.0 PCI standards.

♦ PCI motherboards may have Bus-Mastering slots and non-Bus-Mastering slots. The BEN1PI is a Bus-Mastering network card. It is required to insert the BEN1PI into a Bus-Mastering PCI slot.

♦ Most PCI motherboards must be told what IRQs are being used by ISA boards in the machine so that the PCI BIOS won't map those IRQs to any PCI device. Be sure that any IRQs that are used by ISA boards are configured in the PCI BIOS or by jumpers on the motherboard as "used" or "occupied". The BEN1PI will be mapped by the PCI BIOS to the IRQ set in the BIOS configuration or by jumpers on the motherboard. (Some motherboards are able to automatically allocate IRQs as needed. The PCI motherboard manual will have more information regarding the individual machine.)

♦ The BEN1PI uses INTA to trigger an ISA interrupt. Be sure the slot chosen is configured to use INTA and it is set for "level triggering".

Release 1.0
11/95