**NAME**

    **pnpbios** - support for embedded devices on the motherboard

**DESCRIPTION**

    The **pnpbios** driver enumerates embedded ISA devices on the motherboard whose BIOS supports "Plug and Play BIOS Specification".  It assigns ISA bus resources (interrupt line, DMA channel, I/O ports, and memory region) to each device and activates it.

    If it cannot assign necessary resources to a device without causing conflict with other devices in the system, the device will not be activated and will be unavailable to programs.

**SEE ALSO**

    pnp(4)

**STANDARDS**

    Compaq, Phenix, and Intel, *Plug and Play BIOS Specification Version 1.0A*, May 5, 1994.

    Compaq, Phenix, and Intel, *Plug and Play BIOS CLARIFICATION Paper for Plug and Play BIOS Specification Version 1.0A*, October 6, 1994.

**HISTORY**

    The **pnpbios** driver first appeared in FreeBSD 4.0.

**AUTHORS**

    The **pnpbios** driver was written by Mike Smith.

**CAVEATS**

    There is no explicit way to disable individual embedded devices.  The **pnpbios** driver will find all devices reported by the "Plug and Play (PnP)" BIOS and try to activate them all.

    There is no way to explicitly assign particular resource to a device.  The resource assignment is fully automatic and there is no provision for manual override.