

## Nubus/PDS (Processor Direct Slot) Devices Definitions

**Note:** Because of the ability for the Nubus/PDS boards to provide many not only new but duplicate services (such as additional serial ports, another SCSI Bus, etc.) there may be additional information here regarding the capabilities of your machine that does not appear in other report categories.

[Text] = Item only exists under given circumstance

### General:

Nubus and PDS boards communicate their purpose and functions through a declaration ROM mounted on the board. If there is a declaration ROM, the board can be reported on, otherwise the Slot Manager is unaware that a board is in the slot. PDS slots are different from Nubus slots in many senses. Other than the several different physical and electrical specifications that PDS slots possess, PDS boards are somewhat less likely to have a declaration ROM than Nubus boards. If a declaration ROM is present, either type board is reported by slot after the physical slot counts below.

Nubus/PDS slots come in two forms, physical and built-in. An example of a built-in slot is the video connector provided on most newer machines. Physical slots are those into which a board can actually be inserted.

- Total Physical PDS Slots Present = Total number of physical PDS slots in the machine
- Total Physical Nubus Slots Present = Total number of physical Nubus in the machine

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- Nubus/PDS Slot# = This represents the slot number in hex as seen by the Slot Manager. Built-in slots range in number from \$0-\$E while physical slots range from \$9-\$E. These numbers are machine type dependent. Only physical slots with boards and built-in slots with connected devices are reported. In certain cases, e.g. the LC, a built-in slot with no connected device may appear
  - ◊ Pseudo Nubus Slot# = This number represents the physical location of the Nubus slot containing the board, counting from the closest parallel side of the machine [Nubus Slot]
  - ◊ Board Name = Name of the board [Present In Board ROM]
  - ◊ Board ID = Identification number of the board as assigned by manufacturer [Present In Board ROM]
  - ◊ Vendor ID = Name of manufacturer [Present In Board ROM]
  - ◊ Serial# = Board serial number [Present In Board ROM]
  - ◊ Revision Level = Revision level of the board [Present In Board ROM]
  - ◊ Part# = Part number assigned by the manufacturer [Present In Board ROM]
  - ◊ Date = Date of manufacture or revision [Present In Board ROM]
  - ◊ Functional Resources: Following this heading is a listing of those functions which are currently available on the board. Some boards, e.g. SCSI, may support more than one device or device type. If you see a number next to Category or Type without a (name) next to it, please send us the numbers and any information which you may know regarding the function of the board. This information will then be used to update the category and type names
- + Device SResource Name = Name of function from board's point of view
  - Device Category = Category number and (category name) if known
  - Device Type = Device number and (type name) if known. If it is a video device, more information is available under Monitors, referenced by the Nubus/PDS slot number
  - Device Software Interface Type = Format of the driver's interface
  - Device Hardware ID = Identifies the supported hardware

- Device SResource ID = Number, in hex, of the SResource which describes this function
- Driver Number = Number of the driver which controls this device.  
Refer to the Driver list