

READ ME

TAMS 81622 GPIO Interface
Version 1.4 for Red Hat Enterprise Linux 3.0

December 2003

Systems Supported

The TAMS GPIO interface driver version 1.4 currently supports x86-compatible computers running RedHat Enterprise Linux 3.0 with the stock uniprocessor or SMP kernel. To install the card, you will need an open PCI slot.

The GPIO driver currently only supports the 2.4.21-4.EL and 2.4.21-4.ELsmp kernels. If you attempt to install the driver under an unsupported kernel (e.g., 2.4.21-4.ELbigmem), the driver will not load. To determine whether you are using a supported kernel, type

```
uname -r
```

Installation Overview

Before you begin using your GPIO interface, you will need to complete the following tasks, explained in detail in the *Installation and Operation* manual included with your card.

1. Install the I/O Libraries for Linux.
2. Install the GPIO card in your computer. This can be done either before or after the driver has been installed.
3. Install the T81622 RPM, which includes the Linux driver.
4. Configure your GPIO card for use with SICL.

Important Note

To guarantee that the PCI cards on your system are configured, be sure that your BIOS is set to perform the PCI card configuration. This setting is often called Plug & Play OS and should be set to "NO". See the documentation that came with your computer/motherboard for more details.