

## **Chapter 7**

### **INTEL® 82562EM FAST ETHERNET LAN DRIVER**

#### **1. Overview**

The integrated Intel 82562EM is a Platform LAN Connect device designed for 10 or 100 Mbps Ethernet systems. It is based on the IEEE 10BASE-T and 100BASE-TX standards. The IEEE 802.3u standard for 100BASE-TX defines networking over two pairs of Category 5 unshielded twisted pair cable or Type 1 shielded twisted pair cable.

##### **1.1 Features**

- IEEE 802.3 10BASE-T and 100BASE-TX compliant physical layer interface
- IEEE 802.3u Auto-Negotiation support
- Digital Adaptive Equalization control
- Link status interrupt capability
- Baseline Wander correction
- Or Scan support
- 3-Port LED support (speed, link and activity)
- 10BASE-T auto-polarity correction
- Diagnostic loopback mode
- 1:1 transmit transformer ratio support
- Low power(less than 250mW in active transmit mode)
- Reduced power in “Unplugged mode” (less than 50mW)
- Automatic detection of “Unplugged Mode”
- 3.3V device
- 48-pin Shrink Small Outline Package
- Platform LAN connect interface support

## **2. LAN Driver Setup**

### **2.1 Windows® 95/98**

To install the driver, just insert the provided CD-ROM into the CD-ROM drive. The CD-ROM will autorun. Press the button for installing the LAN driver.

### **2.2 Other OS driver**

To install the driver for other operating system, just insert the provided CD-ROM into the CD-ROM drive.

Type:

CD-ROM Path:\E100B\Setup\readme

This will show different procedure for the installation of LAN driver for different kind of operating system. Just follow the procedures given.