

Ethernet, Token Ring, and Fiber Distributed Data Interface

Contents

About Ethernet, Token Ring, and FDDI Support	11-3
About Multivendor Network Interface Controller (NIC) Support	11-5
About Multicast Addressing	11-7
Using Ethernet, Token Ring, and FDDI Drivers	11-7
Using the Ethernet Driver	11-7
Opening the Ethernet Driver	11-8
Using a Write-Data Structure to Transmit Ethernet Data	11-10
Using the Default Ethernet Protocol Handler to Read Data	11-13
Using Your Own Ethernet Protocol Handler to Read Data	11-17
Changing the Ethernet Hardware Address	11-19
Using the Token Ring Driver	11-20
Applying Ethernet Functions	11-20
Sending and Receiving Data	11-21
Using the FDDI Driver	11-23
Applying Ethernet Functions	11-23
Sending and Receiving Data	11-24
Ethernet, Token Ring, and FDDI Reference	11-25
Data Structures	11-26
The Write-Data Structure	11-26
The Parameter Block for Ethernet, Token Ring, and FDDI Driver Functions	11-26
Routines	11-28
Attaching and Detaching an Ethernet Protocol Handler	11-28
Writing and Reading Ethernet Packets	11-32

Obtaining Information About the Ethernet Driver and Switching Its Mode	11-36
Adding and Removing Ethernet Multicast Addresses	11-40
Summary of Ethernet, Token Ring, and FDDI	11-43
Pascal Summary	11-43
Constants	11-43
Data Structures	11-43
Routines	11-44
C Summary	11-45
Constants	11-45
Data Types	11-45
Routines	11-46
Assembly-Language Summary	11-47
Constants	11-47
Data Structures	11-47
Result Codes	11-48