



## ► FDDI PCI Adapters

The FDDI (Fibre Distributed Data Interface) PCI Adapter provides dual-redundant 100 Mbps communication links with 4B/5B signalling over multimode fibre media and is ideally suited to real-time data communication applications. These adapters use the AMD Supernet 3 FDDI Chipset as communication controller and offer dual attached (DAS) or single attached (SAS) I/O options. They feature VxWorks software drivers for certain platforms, as well as a wide range of compatible and qualified third party software drivers.

The adapter is available in air-cooled versions : commercial and ruggedised.

### Architecture

The FDDI PCI Adapter uses the AMD Supernet 3 chipset. This chipset offers advanced features such as Synchronous Bandwidth Allocation (SBA) and End Station Support (ESS). The adapter has an advanced ASIC onboard that performs buffer management and PCI interfacing, thereby achieving high throughput.

### Features

- Dual-(DAS) or Single-(SAS) Attachment Station options available
- Optical Bypass Switch Control
- Fully software configurable

### Applications

- Distributed real-time applications
- SCADA applications
- SAFENET applications

### Availability in Other Formfactors

The FDDI PCI Adapters are also available in the PMC and PC104 Plus formfactors.

In the PMC formfactor, they are available in conduction-cooled (-40 C to +85 C) and air-cooled versions : ruggedised (-40 C to +85 C), industrial (-15 C to +75 C) and commercial (0 C to +55 C).

In the PC104 Plus formfactor, they are available in air-cooled versions : ruggedised (-40 C to +85 C), industrial (-15 C to +75 C) and commercial (0 C to +55 C).



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**FDDI PCI Adapter Specifications**

<b>Bus Interface</b>	32-bit, 33/66 MHz PCI-bus Electrically and Mechanically complies to PCI Rev. 2.1
<b>Network Interface</b>	ANSI X3T12, ANSI X3.139 and ANSI X39.5
<b>LAN Controller</b>	AMD Supernet 3
<b>RAM</b>	128 kBytes CMOS static
<b>Flash EPROM</b>	128 kBytes
<b>I/O Addresses</b>	Automatic assigned to the slot by PCI Rev. 2.1 Plug-and-Play
<b>Interrupts</b>	PCI INT A
<b>DMA</b>	Automatic depending on PCI slot
<b>Power Requirement</b>	+5 V at 1,45 A
<b>Software Drivers</b>	Various software drivers offered including for VxWorks, Linux, LynxOS, Solaris, DOS, OS/2, Windows (95, 98, NT, 2000, XP and 2003) operating systems as standard; others are costed options.
<b>Supporting Software</b>	Hardware Diagnostic Program for DOS
<b>Special Optional Services</b>	Synchronous Bandwidth Allocation (SBA) and End Station Support (ESS), Built-in Test (BIT), Network Time Protocol (NTP), Network Time Services (NTS).

**Environmental Specifications**

	<b>Commercial</b>	<b>Ruggedised</b>
<b>Temperature</b>		
- Operating	0 C to +55 C	-15 C to +75 C
- Storage	-40 C to +85 C	-50 C to +85 C
<b>Humidity</b>	0% - 90%	0% - 95%
<b>Shock</b>	N/A	30 g peak for 11 ms
<b>Vibration</b>		
- Sine	2 g (peak) 10 Hz to 100 Hz	10 g (peak) 5 Hz to 2 kHz
- Random	0,04 g <sup>2</sup> /Hz at 15 Hz to 2 kHz	0,1 g <sup>2</sup> /Hz at 15 Hz to 2 kHz