

## IBM Token-Ring ISA Adapters

- **Fully compatible with the Auto 16/4 Token-Ring ISA Adapter**
- **Up to 90% faster than the Auto 16/4 Token-Ring ISA Adapter**
- **ISA- and EISA-compliant**
- **LANAID software configuration**
- **Automatic ring-speed detection and selection**
- **Device drivers for leading operating and network operating systems**
- **Eight interrupt levels and 768 address choices**
- **Adapter and ring status LEDs**
- **RPL is a standard feature on all IBM Token-Ring adapters**
- **UTP and STP cable supported via RJ-45 and 9-pin, D-shell connectors**
- **Full-duplex (FDX) operation when connected to an FDX switch like the IBM 8272**
- **Available Wake on LAN™ remote power-on capability to save time and money**



The IBM Turbo 16/4 Token-Ring ISA Adapter is a 16-bit, Plug and Play enabled adapter that features extremely high throughput, memory reduction capabilities and easy installation. This adapter requires as little as 12 KB of DOS memory. The IBM LAN Client allows LAN drivers, protocol stacks and client code to move from conventional and upper memory to extended memory.

# Product Overview

## IBM Turbo 16/4 Token-Ring ISA

The IBM Turbo 16/4 Token-Ring ISA Adapter is a high-performance, Token-Ring LAN adapter designed to operate with an ISA bus computer. It can operate at either 16 or 4 Mbps over UTP or STP media without requiring user selection.

You can order this adapter in our standard single pack, which includes the adapter, diskettes and installation and testing publication. For ordering flexibility and environmentally friendly packaging, you can now also order the adapter in card and bulk packs.

### Benefits

- Highest-performing ISA adapter
- Quick and easy installation with Plug and Play
- Support for IBM LAN Manager Network 2.0
- Compatible with previous IBM shared-RAM adapters
- Support of eight interrupt levels and 768 I/O address choices

## IBM Auto Wake Token-Ring ISA

The Auto Wake Token-Ring ISA Adapter is a 16-bit adapter with Auto Wake capability, memory reduction code and the LANAIID easy installation program. It offers the same turbo performance as our highest-performing ISA adapter ever: the Turbo 16/4 Token-Ring ISA Adapter. To offer you an ISA adapter that clearly outperforms the competition, we have improved our hardware and device drivers to achieve turbo speeds up to 90% faster than its predecessor.

It is the adapter of choice for ISA business clients who want LAN wake-up capability. With IBM's Wake on LAN adapters you can remotely power on Wake on LAN-enabled PCs whenever you need — including nights, weekends and holidays. Combined with RPL, Wake on LAN can take you to a new level of remote network management possibilities. The Wake on LAN function requires installation in a PC that supports Wake on LAN. The adapter is suited for DOS, Windows® or OS/2® clients.

### Benefits

- LAN client memory reduction software for DOS and for Windows
- Competitively priced
- FDX-enabled
- External LEDs that indicate status
- Drivers available for most major platforms
- Standard RPL
- Available Wake on LAN remote power-on capability to save time and money

Features	Turbo 16/4 Token-Ring ISA	Auto Wake Token-Ring ISA
Bus	ISA	ISA
Software configuration	Yes (Plug and Play)	Yes
System interface	SRAM	SRAM
Data width	16	16
LEDs	Yes	Yes
Auto media-select	Yes	Yes
Auto speed-detect	Yes	Yes
Auto speed-select	Yes	Yes
LANAIID	Yes	Yes
IBM LAN client	Yes	Yes
FDX and DTR enabled	Yes	Yes
UTP/STP	Yes	Yes
LSP included	No	No
RPL included	Yes	Yes
SMP	No	No
Management	DMI and SNMP	DMI and SNMP
Network interface	RJ-45/9-pin	RJ-45/9-pin
FCC class	A*	A*
Wake on LAN	No	Yes
Promiscuous mode enabled	N/A	N/A

\*FCC A with UTP cable

# Token-Ring ISA Adapters Specifications

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	<b>Turbo 16/4 Token-Ring ISA Adapter</b>	<b>Auto Wake Token-Ring ISA Adapter</b>
<b>Operating environment</b>	Temperature: 10° to 35°C (50° to 95°F) Relative humidity: 8% to 80% Maximum wet-bulb temperature: 23°C (73°F) Electrical power: 5 V dc Certification: FCC Class B, CISPR22 Class B, CISPR22 Class B Limits and VCCI Class B certified for STP and UTP connections	

## Supplementary Information

The following sales tools are available for the Token-Ring ISA Adapters:

- Specification sheets:  
*IBM Token-Ring LAN Adapter Family, G221-4512-01*  
*IBM Turbo 16/4 Token-Ring ISA Adapter, G326-0248-00*
- Information on the Token-Ring ISA Adapters is available at:  
[www.networking.ibm.com/netprod.html](http://www.networking.ibm.com/netprod.html)  
[www.networking.ibm.com.trl/trlover1.html](http://www.networking.ibm.com.trl/trlover1.html)