

Adapter

Highlights

- . High Performance bus master architecture for low CPU and bus utilization
- . Supports Wake on LAN function (PCI 2.1/2.2)
- . Supports ACPI power management
- . On-board socket for an optional remote boot ROM

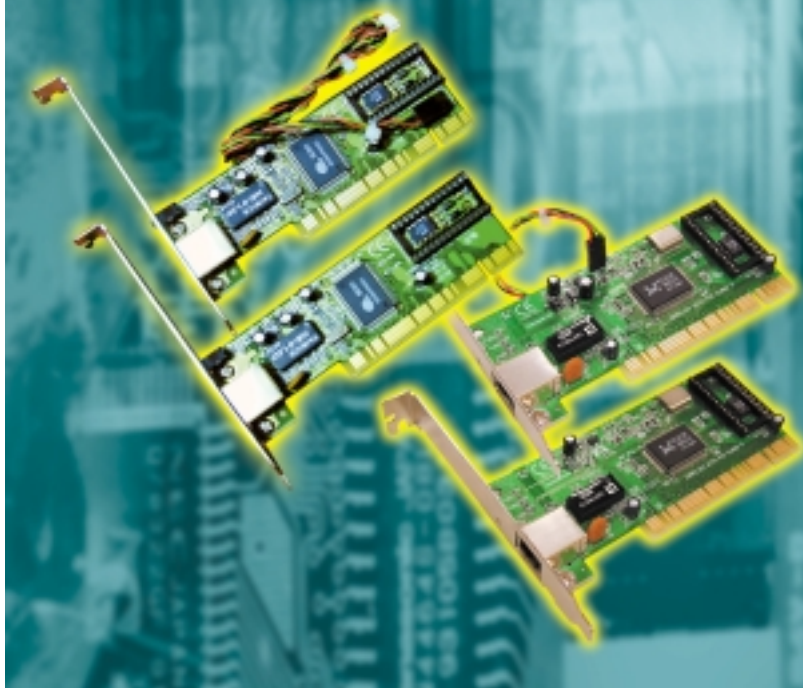
Key Features

- Single-chip controller complies to PCI local bus specification revision 2.2
- Conforms with IEEE 802.3 10BASE-T and IEEE 802.3u 100BASE-TX standards
- High performance bus master architecture for low CPU and bus utilization
- Single shielded RJ-45 connector for using at either 10 or 100Mbps speed
- On-board socket for an optional remote boot ROM
- Provides 1 diagnostic LED Indication (2 LEDs for EP-320X-S/EP-320X-S1)
- Provides high performance network drivers such as ODI, NDIS, NDIS3, NDIS4, NDIS5, UNIX, etc
- Supports Wake on LAN function (PCI 2.1 / 2.2)
- Supports ACPI, PCI Power management

SURECOM[®]
Simply Better Networking

EP-320X-S/EP-320X-S1 EP-320X-R/EP-320X-R1

32-bit 10/100M PCI Adapter



SURECOM's EP-320X-S / EP-320X-S1 / EP-320X-R/ EP320X-R1 Buses are 32-bit Fast Ethernet adapters. It delivers high data throughput that eliminates I/O bottlenecks, making it far superior to ISA, EISA and bus architectures. These are high performance 100Mbps adapters based on this advanced platform. Designed to complement PCI Local BUS computers, the PCI Adapter supports 32-bit data transfer and reduces CPU loading using bus master architecture. They also provide Wake on LAN function optionally.

Full-Duplex Support

You can operate the PCI Adapter in Full-Duplex mode. It doubles channel bandwidth from 10 to 20Mbps for 10BASE-T and from 100 to 200Mbps for 100BASE-TX.

Dual-Speed support and Easy Monitoring

Built-in Auto-Negotiation automatically detects and determines the optimal interoperation mode with other devices. The PCI Adapter supports both 10Mbps and 100Mbps data transfer rates. The LED status indicators make it easy to monitor network status.

Compatible with Common Base Drivers

A wide range of drivers are supplied for commonly used network operating systems. An onboard socket for a generic Boot ROM is provided to connect diskless network platform to popular network environments such as NetWare RPL, LAN Manager, Windows NT.

Wake on LAN Technology

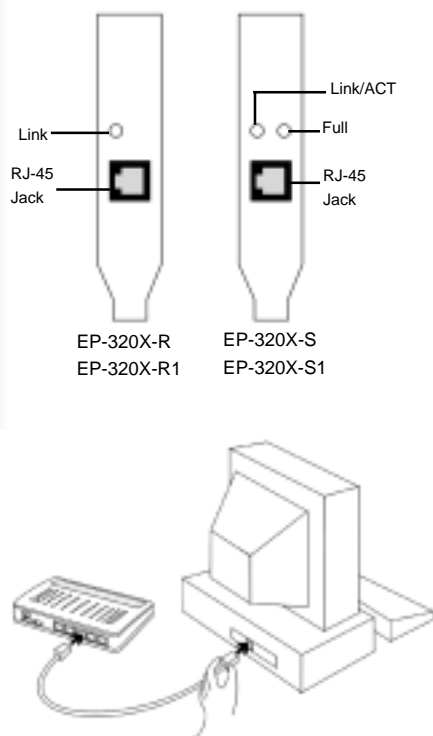
Wake on LAN function supports you to turn on PCs from a sleep state over the network during off-hours. After the PC is awake, you can run utilities such as disk backup, install software upgrades, or virus scan directly, to save time and to increase end-user productivity by avoiding disruptions during work hours.

Adapter

EP-320X-S/EP-320X-S1 EP-320X-R/EP-320X-R1

32-bit 10/100M PCI Adapter

Application



Technical Specifications

Specifications	EP-320X-R1 / EP-320X-S1	EP-320X-R / EP-320X-S
Standards	IEEE 802.3 10BASE-T; IEEE 802.3u 100BASE-TX	
Access Method	CSMA/CD	
Connectors	1 RJ-45 (for 100BASE-TX & 10BASE-T)	
Media Support	Category 5 cable (100Mbps mode) Category 3, 4, or 5 cable (10Mbps mode)	
PCs support	PCI Local Bus Rev. 2.1/2.2	
System Clock	Up to 33MHz	
Host Data Bus Architecture	32-bit Bus Mastering	
I/O Address Interrupt Level	Automatically determined by system BIOS configuration	
W.O.L. (Wake on LAN)	PCI 2.2	PCI 2.1 / 2.2
Power Management	ACPI & PCI Support	
LED Indicator	Link(EP-320X-R/EP-320X-R1) Link/ACT, Full (EP-320X-S/EP-320X-S1)	
Dimensions	120 x 39 mm(LxW)	
Temperature	5°C ~ 55°C (Operating) 0°C ~ 65°C (Storage)	
Humidity	10% ~ 90% (Operating) 5% ~ 90% (Storage)	
Conformance	FCC, CE	

Extensive LAN Drivers Support:

ODI, NDIS, NDIS 3, NDIS4, NDIS 5, Packet Drivers, UNIX, LINUX

Network Operating Systems:

Novell NetWare 3.12, 4.1, 4.11, NetWare LAN Workplace, IBM OS/2 Wrap Connect, Microsoft LAN Manager, IBM LAN Server, IBM LAN support, Banyan VINES, DEC PATHWORKS, Windows for Workgroup 3.11, Windows 95/98/2000/ME, Windows NT 3.51, 4.0, FTP PC/TCP, NCSA TCP/IP, SCO UNIX, Linux

Ordering Information

EP-320X-S : 32-bit 10/100M PCI Adapter (W.O.L PCI 2.1 / 2.2)

EP-320X-S1 : 32-bit 10/100M PCI Adapter (W.O.L PCI 2.2)

EP-320X-R : 32-bit 10/100M PCI Adapter (W.O.L PCI 2.1 / 2.2)

EP-320X-R1 : 32-bit 10/100M PCI Adapter (W.O.L PCI 2.2)

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