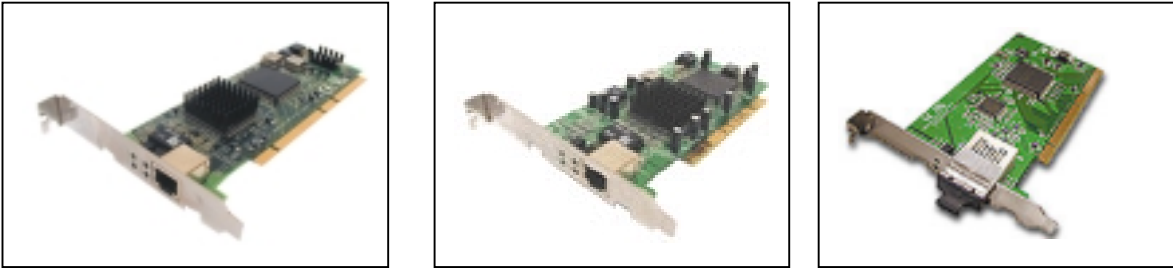


## **EP-320G-TX/EP-320G-TX1/EP-320G-SC Gigabit PCI Ethernet RJ-45/Fiber Adapter**



**SURECOM**'s EP-320G-TX/EP-320G-TX1/EP-320G-SC Gigabit Ethernet RJ-45/Fiber Adapters are an extension of the widely used 1000/100/10Mbps Ethernet standards for network connectivity. These Gigabit Ethernet Adapters are 100 times faster than Ethernet and 10 times faster than Fast Ethernet. It provides a tenfold increase in Media Access Control data rates to support video conferencing, complex imaging and other data intensive applications.

### **Full-Duplex Support**

EP-320G-TX/320G-TX1 are a full-Duplex adapter connected to an Ethernet network with a single connection over unshielded twisted pair(UTP) cable and auto-sense either 10Mbps or 100Mbps or 1000Mbps by full auto-detection. EP-320G-SC, with 1 SC type connector, also supports Full-Duplex.

### **Optimizes throughput, cost and performance**

SURECOM's EP-320G-TX/EP-320G-TX1/EP-320G-SC uses Bus-mastering DMA approach to optimize throughput and provide the optimal combination of cost and system-level performance for high-performance network connection.

### **Highlights**

- IEEE 802.3 Compliant, 66/33 MHz, 64/32bit PCI V2.2 MAC/BIU supports data rates from 10Mbps to 1000Mbps.
- Supports Jumbo packets.
- Full Duplex support for 1000/100/10Mbps data rates
- Ten-Bit Interface (TBI) for support of 1000BASE-T

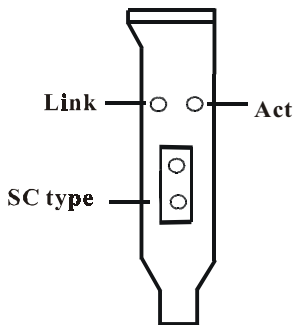
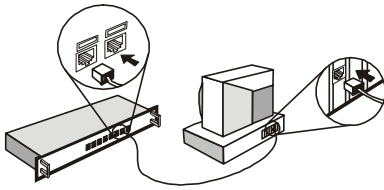
### **Key Feature:**

- IEEE 802.3 Compliant, 66/33 MHz, 64/32-bit PCI V2.2 MAC/BIU supports data rates from 10Mbps to 1000Mbps.
- BIU compliant with PC97 and PC98 Hardware Design Guides, PC99 Hardware Design Guide draft, ACPI v1.0.
- GMII/MII provides IEEE 802.3 standard interface to support 1000/100/10Mbps Physical layer devices.
- Virtual LAN (VLAN) and long frame support.
- 802.3x full duplex flow control, including automatic transmission of Pause frames based on Rx FIFO thresholds.
- IPv4 Checksum task off-loading Supports checksum generation and verification of IP, TCP and UCP headers.
- Internal 8 KB Transmit and 32KB Receive data FIFOs.
- Supports Jumbo packets.
- Serial EEPROM port with auto-load of configuration data from EEPROM at power-on.
- Full Duplex support for 1000/100/10Mbps data rates.(For EP-320G-TX only)
- Full Duplex mode in 1000Mbps (For EP-320G-SC only)

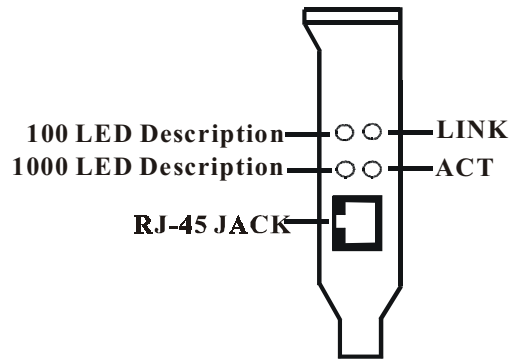
## Specifications

	EP-320G-TX/EP-320G-TX1	EP-320G-SC
<b>Standard</b>	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T	IEEE802.3z 1000Base-SX
<b>Access Method</b>	CSMA/CD	
<b>Connector</b>	1*RJ-45	1 * SC Type
<b>Media Support</b>	Category 5	Fiber
<b>PCs support</b>	PCI Local Bus Rev. 2.1/2.2	PCI Local Bus Rev. 2.2
<b>System Clock</b>	Up to 66/33MHz	
<b>Host Data Bus Architecture</b>	64-bit Bus Mastering	32-bit Bus Mastering
<b>Power Management</b>	APCI v1.0	
<b>LED Indicator</b>	Link/Act/1000Mbps/100Mbps	Link/Act
<b>Dimensions</b>	173*64.5mm	163.1*80mm
<b>Temperature</b>	5°C~55°C (Operating)	
<b>Humidity</b>	10%~90%(non-condensing)	
<b>Conformance</b>	FCC Class A, CE	
Driver Supports: NDIS3/4/5, MS Windows 95/98/NT 4.0/ME/2000/XP, Netware Server 5.0, SCO Open Server 5.0.x, UnixWare 7.0, Solaris, Linux		

## Application



**EP-320G-SC**



**EP-320G-TX/320G-TX1**

## Ordering Information:

EP-320G-TX : 64-bit 1000/100M10M PCI Adapter

EP-320G-TX1 : 32-bit 1000/100M10M PCI Adapter

EP-320G-SC : 64-bit PCI Gigabit Ethernet Fiber Adapter