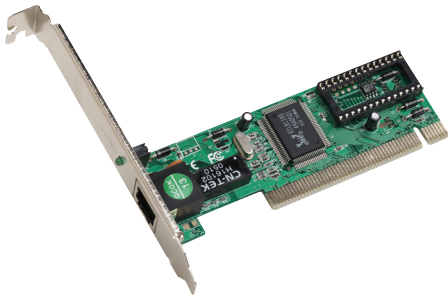# SMC Networks

SMC1255TX-1
EZ Card™ 10/100 Fast Ethernet PCI Card with Wake-On-LAN

OVERVIEW

The EZ Card™ 10/100 Fast-Ethernet PCI Card (SMC1255TX-1) supports full-duplex communication, auto-negotiation, Wake-on-LAN (WOL), flow control, and a 32-bit data transfer mode. Developed using the 32-bit PCI bus-master architecture, this SMC 10/100 Adapter reduces CPU utilization while optimizing performance and throughput. The EZ Card™ 10/100 Fast Ethernet PCI Card auto-configures itself on power-up to provide an easy installation. For network management, this latest adapter features a "Remote LAN Wakeup" option for remote management and an optional Boot ROM socket to enable network booting from diskless workstations. For connectivity, this SMC Adapter uses a single RJ-45 connector for both data rates, making it a simple and cost-effective solution for your network at both the home and office. Simply connect SMC EZ Card™ 10/100 Fast Ethernet PCI Card to a Fast Ethernet device and it will automatically connect at 100Mbps for highest performance. Combine all of these features and functionality with SMC's award-winning technical support and service; you have the perfect network adapter for any situation.

FEATURES	BENEFITS
32-bit PCI bus-master architecture	Supports 32-bit data transfer, bus-mastering reduces CPU utilization and improves throughput
Dual-speed 10/100 Mbps	Support for 10 Mbps and 100 Mbps data rates enable easy, cost-effective additional bandwidth
Serial EEPROM and/ or Flash supportSerial EEPROM and/ or Flash support	Optional bootrom support for enabling network booting from diskless workstations
Support Wake-on-LAN and remote wake-up support	Allows remote powering up of computer for automated and unattended management (Wfm - Wired for Management). Includes AMD® Magic Packet, Re-LinkOK, and Microsoft® Wake-up frame

STANDARDS
- IEEE 802.3 10Base-T;
  UTP cable, 2 pairs, RJ-45 (EIA/TIA Categories 3, 4, 5)
- IEEE 802.3u 100Base-TX;
  UTP cable, 2 pairs, RJ-45 (EIA/TIA Category 5)
- IEEE 802.3x Flow Control
- IEEE 802.1Q

INTERFACE
- 1 RJ-45 Port for 10Base-T and 100Base-TX

PCs SUPPORTED
- PCI v2.2

POWER MANAGEMENT
- ACPI (Advanced Configuration and Power Interface)
- Wake-on-LAN remote power-on for resource management
- MagicPacket and link status change support
- OnNow/PC98/PC99 Instant On Functionality

NETWORK MANAGEMENT
- DMI v2.0
- WfM v2.x
- SNMP

SYSTEM CLOCK
- 33MHz

DATA INTERFACE
- 32-bit Bus-Mastering PCI

I/O ADDERESS
- Automatically Allocated by BIOS

INTERRUPT LEVEL
- INT A, Mapping to BIOS IRQ SETUP

FULL DUPLEX
- 10Mbps & 100Mbps
  (20 Mbps & 100 Mbps)

MTBF
- 25° C / 77° F - 966,706 hours
- 50° C / 122° F - 697,163 hours

POWER CONSUMPTION
- 3.3 Volt Low power device

LED INDICATOR
- One (Link/Activity and Speed)

CERTIFICATIONS
- CE Mark
- FCC Class B

OPERATING SYSTEM
- Microsoft Windows 95
- Microsoft Windows 98
- Microsoft Windows 2000
- Microsoft Windows ME
- Microsoft Windows NT
- Microsoft Windows XP
- Microsoft Windows Vista (32 and 64-bit)
- Linux
- FreeBSD V4.x
- MAC-OS 8.x,9.x, 10.0.4, 10.2
- NetWare 3.1x, 4.01x
- UnixWare 7
- SCO UNIX 4.x, 5.X
- NDIS 2.0 for DOS
- NDIS 2.0 for OS2
- WFW31
- PCKTDRV

TEMPERATURE
- 0° to 55° C / 32° to 122° F (Standard Operating)

OPERATING HUMIDITY
- 10% to 90% (Non-condensing)

WARRANTY
- Limited Lifetime

DIMENSIONS (without bracket)
- 4.72 x 1.69 in
- 119.92 x 42.98 mm

WEIGHT
- 0.1 lbs
- 45g

Contact