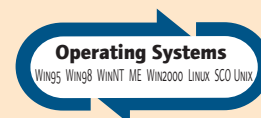
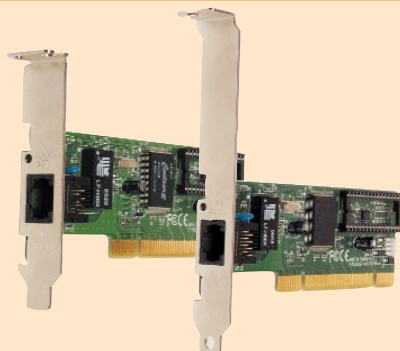


EZ Card™ 10/100 SMC1255TX / SMC1255TX/LP Data Sheet



SMC1255TX / SMC1255TX/LP EZ Card 10/100

10/100Mbps Fast Ethernet PCI Adapters

SMC's new EZ Card™ 10/100 PCI network card is among the most affordable Fast Ethernet cards on the market today. And it couldn't be easier to use. This 32-bit PCI card is fully auto-configurable upon power-up through the host computer's BIOS setup program. It supports 32-bit data transfer mode and early receive and transmit interrupt to eliminate I/O bottlenecks. And, it features bus-master architecture to reduce CPU utilisation. The result is increased throughput.

This dual-speed card has a single RJ-45 connector for both data rates, making it simple and cost-effective to future-proof your network. SMC's 1255TX supports auto-negotiation for automatic line speed detection supported by the attached device. Simply connect the card to a Ethernet hub or switch and it will operate at 10Mbps. When you need additional bandwidth, just connect the card to a Fast Ethernet device and it will automatically operate at 100Mbps.

Featuring "Remote LAN Wakeup", the card allows MIS Administrators the ability to manage desktop resources effectively even with remote locations. The Optional Boot ROM socket provides additional flexibility by allowing network booting from diskless workstations. Advanced features include flow control and wired for management.

The EZ Card 10/100 ships with drivers for all popular network operating systems. The drivers are available on SMC's installation diskette or website (www.smc.com).

All SMC products are backed by a limited lifetime warranty.

Features and Benefits

High Performance & Functionality

- 32-bit PCI bus-master architecture
- Dual-speed 10/100Mbps
- Full-duplex and auto-negotiation
- Auto-configures on power-up
- Diagnostic LEDs
- Socket for optional Boot ROM
- Wake-on LAN
- Wired for management
- Flow control
- Tiny Personal firewall

Flexible System Management

- Supports 32-bit data transfer; bus-mastering reduces CPU utilisation and improves throughput
- Support for 10Mbps and 100Mbps data rates enables easy, cost-effective additional bandwidth
- Simple, quick and easy installation
- Provides clear data on status of network and card
- Remotely managed PCs through WFM feature

Compatibility

- ANSI/IEEE 802.3 Ethernet
- ANSI/IEEE 802.3u Fast Ethernet
- ISO/IEC 8802-3 Ethernet
- PCI v2.2
- DMI v2.0
- WFM v2.x

Product	Model No.	Description
EZ Card 10/100	SMC1255TX	10BASE-T/100BASE-T (RJ-45) with Wake-on LAN, single pack
	SMC1255TX-50	10BASE-T/100BASE-T (RJ-45) with Wake-on LAN, 50 pack
	SMC1255TX/LP	1255TX model with Low-Profile bracket, single pack
	SMC1255TX/LP/50	1255TX model with Low-Profile bracket, 50 pack

EZ Card™ 10/100 SMC1255TX / SMC1255TX/LP Data Sheet



Specifications

Physical Characteristics

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

System Clock

- 33MHz

Data Interface

- 32-bit Bus-Mastering PCI

I/O Address

- Automatically Allocated by BIOS

Interrupt Level

- INT A, Mapping to BIOS IRQ SETUP

Full-Duplex

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

Power Consumption

- 3.3 Volt Low power device

Temperature

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

Humidity

- 10% to 90% (Non-condensing)

LED Indicator

- One (Link/ Activity and Speed)

Dimensions

- 119.92mm x 42.98mm

Weight

- 45g

Standards Conformance

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

Certifications

- CE Mark
- FCC Class B
- VCCI Class B
- CISPR 22 Class B

Operating Systems

- ODi Drivers
Novell Netware, 3.12, 4.1, 4.11, 5.0, Netware LAN WorkPlace, Novell LAN Analyser
- NDIS 2.0
Microsoft LAN Manager, IBM LAN Server, IBM LAN Support, DEC Pathworks
- NDIS 3.0
Windows for workgroup 3.11, Windows 95/SR1, Windows NT 3.51
- NDIS 4.0
Windows 95 OSR2, Win NT 4.0
- NDIS 5.0
Windows 98, ME, 2000, XP
- Packet Drivers
FTP PC/TCP, NCSA TCP/IP
- Unix
SCO Unix, Unixware 7, Linux, Free BSD, Solaris 7/8

www.smc.com

**SMC Networks Europe
Head Office**
Edificio Conata II
Fructuós Gelabert 6-8 2^o, 4^a
08970 - Sant Joan Despi
Barcelona
Spain
Telephone
+34 93 477 4920
Facsimile
+34 93 477 3774

**SMC Networks
Spain**
Calle Josefa Valcarcel, 8
28027 - Madrid
Spain
Telephone
+34 91 320 2884
Facsimile
+34 91 320 8438

**SMC Networks
Northern Europe**
Ground Floor, Exa House
Alexandra Court
Denmark Street
Wokingham
Berkshire, RG40 2SL
United Kingdom
Telephone
+44 (0)118 974 8700
Facsimile
+44 (0)118 974 8701

**SMC Networks
Nordic**
Vallingbyplan 26, 2 tr
SE-162 65 Vallingby
Sweden
Telephone
+46 (0) 8 687 0700
Facsimile
+46 (0) 8 87 62 62

**SMC Networks
South Africa**
Zonneblom Building
16th Road
Constantia Square
Midrand
South Africa
Telephone
+27 (0) 83 292 40 43
Facsimile
+27 (0) 11 805 80 60

**SMC Networks
Southern Europe**
2 - 8 rue des Bourets
92150 Suresnes
France
Telephone
+33 (0) 1 41 38 32 32
Facsimile
+33 (0) 1 41 38 01 58

**SMC Networks
Central Europe**
Freischützstr. 81
D-81927 Munich
Germany
Telephone
+49 (0) 89 92861-0
Facsimile
+49 (0) 89 92861-230