SMC Networks

Network Adapters

SMC9452TX
EZ Card™ 1000 32-bit 10/100/1000Mbps Copper Gigabit PCI Card

OVERVIEW

The EZ Card™ 1000 is SMC Networks new 32-bit 10/100/1000Mbps copper gigabit PCI interface card (SMC9452TX) designed for high performance workstations that want a faster solution than today's 10/100 adapters. Bringing a cost effective solution to the desktop, SMC's new 32-bit gigabit PCI Card provides an excellent solution for applications that require high-speed, and reliable network connectivity. The SMC9452TX offers 10Mbps, 100Mbps and 1000Mbps and supports full duplex to maximize a networks potential speed while accommodating the existing infrastructure.

Conforming to IEEE standards, the SMC9452TX is the perfect solution for delivering high throughput with minimal utilization of the CPU. Features such as TCP and UDP Checksum, Flow Control, Jumbo Frame support, and 802.1P all ensure data integrity even under heavy loading. These features combined with management tools such as the Marvell® Virtual Cable Tester™* for advanced cable diagnostics, Wake-On-LAN, SNMP and RMON make the EZ Card™ 1000 an ideal solution for today's high performance workstations.

* Virtual Cable Tester is a trademark of Marvell

FEATURES	BENEFITS
Complies with 802.3ab 1000Base-T, 802.3u 100Base-TX Standards	Gigabit Ethernet is 10 times faster than Fast Ethernet.
Full Duplex and Auto-negotiation	Provides 2Gbps full duplex network performance and is capable of automatically detecting the connection speed and auto-negotiating to the highest possible performance.
Marvell® Virtual Cable Tester™ for advanced cable diagnostics	Maximizes the total performance of the system. Virtual Cable Tester enable IT managers to easily pinpoint the location of cabling issues down to a meter or less, reducing network installation and support costs.
IP Checksum Offloading	Eliminates CPU bottleneck by offloading a time consuming task.
PCI Bus, supporting 33/66 MHz speed and 32-bit data transfer size	Boosts bulk data transfers, resulting in more efficient bus transfer and reduction of server load. Hence, increasing the server's usable bandwidth.
Jumbo Frame support Quality of Service (QoS) and Virtual LAN support	Priority queuing for 2 classes of priority queues in both transmit and receive, ensuring critical data receives priority attention (IEEE802.1P). Supports up to 64 VLANS for increased network performance, improved manageability, and increased security.

TECHNICAL SPECIFICATIONS | SMC9452TX

NETWORK INTERFACES
• 10Base-T, 100Base-TX and 1000Base-T

BUS INTERFACES
• PCI v2.2, 32-bit, 33/66MHz

OPERATING SYSTEMS
• Windows 9x/Me/NT/2000/XP
• Netware 4.2, 5.0, 6.0
• Linux 2.2.x or later

STANDARDS
• IEEE 802.3
• IEEE 802.3u
• IEEE 802.3ab
• IEEE 802.3z
• IEEE 802.3x
• IEEE 802.1P**
• IEEE 802.1Q**
• PCI v2.2
• ACPI v1.0

LED INDICATION
• Activity
• 1000
• 100
• 10

COMPLIANCES
• FCC Part 15, Class B
• VCCI Class B
• CISPR 22, Class B
• BSMI
• C-Tick
• S-Mark

HUMIDITY
• Non-condensing 10% to 90%

TEMPERATURE
• Operating: 32 to 131 F° / 0 to 55 C°
• Storage: -4 to 149 F° / -20 to 65 C°

WARRANTY
• Limited Lifetime

DIMENSIONS
• 4.72 x 1.97 in (without bracket)
• 120 x 50 mm (without bracket)

WEIGHT
• 1.89 oz
• 53.58 g

Contact

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