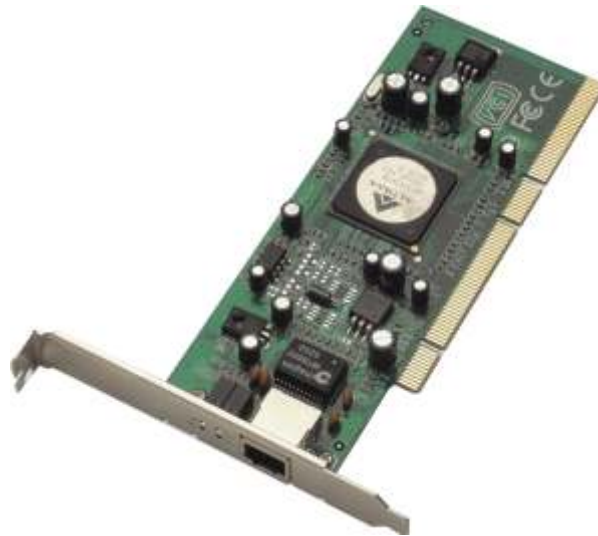




# 32/64 bit Gigabit Ethernet Card

A02-SG32 / A02-SG64 / A02-SG64-F



10/100/1000Mbps NWay Gigabit Ethernet Card for 32/64 bit PCI Bus-equipped personal computers: ideal for speeding up data transfers for network servers and other computers such as those used for video-conferencing, that send and/or receive large amounts of data. Includes latest networking technologies, such as VLAN and multicasting support, that use network bandwidth more efficiently and further help cards to maximize data throughput. Plug-and-Play, Full Duplex support for 10/100/1000Mbps data rates and Built-in 8 KByte Transmit and 32 KByte Receive data FIFOs.

- ▶ **Plug&Play installation**
- ▶ **Support Full duplex mode (up to 2000Mbps)**
- ▶ **Full duplex Flow control**
- ▶ **Built-in FIFO buffers (40KB)**
- ▶ **IP/TCP Checksum Offload and Jumbo Frames**
- ▶ **VLAN and QoS**



# 32/64 bit Gigabit Ethernet Card A02-SG32 / A02-SG64 / A02-SG64-F

## Caratteristiche Tecniche

- IEEE 802.3 10BASE-T, 802.3u 100BASE-TX and 802.3ab 1000BASE-T compliant (IEEE 802.3z 1000BASE-SX compliant for A02-SG64-F)
- Support 64/32-bit 33/66Mhz PCI Local Bus Master high-speed operation of Rev.2.1/2.2 specification
- Plug-and-Play installation -- simply insert the card into a PC and it will automatically be configured by the PC BIOS
- One RJ-45 connector: Auto detection of 10Mbps Ethernet, 100Mbps Fast Ethernet and 1000Mbps Gigabit Ethernet & Auto MDI-X (SC connector for 50/125m or 62.5/125m multi-mode fiber for A02-SG64-F)
- IP/TCP Checksum Offload
- Jumbo Frames
- Supports 10/100/1000Mbps Auto-negotiation operation (only for A02-SG64 and SG32)
- Supports Full-duplex mode doubles network data rate to 20/200/2000Mbps
- Built-in FIFO buffers (8KB Transmit & 32KB Receive) reduces overhead of memory transfers
- Four Led indicators for easy disgnostic (two Led for Fiber Card)
- 802.3x Full duplex flow control, including automatic transmission of Pause frames based on Rx FIFO thresholds
- Virtual LAN (VLAN) and long frame support. VLAN tag insertion supports for transmit packets. VLAN tag detection and removal for receive packets (only for A02-SG64 and SG64-F)
- 802.1D and 802.1Q priority queuing support. Supports multiple priority queues in both transmit and receive directions (only for A02-SG64 and SG64-F)

### Standard

- IEEE 802.3 10BASE-T Ethernet\*
- IEEE 802.3u 100BASE-TX Fast Ethernet\*
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet\*
- ANSI/IEEE 802.3 Auto-negotiation\*
- IEEE 802.3z 1000Base SX Gigabit Ethernet\*\*
- IEEE 802.1D & 802.1Q priority Queuing support (only for 64 bit Card)\*\*\*
- IEEE 802.3x Flow Control

### Network Media

- Ethernet: 2 pair UTP Cat. 3, 4, 5\*
- Fast Ethernet: 2 pair UTP Cat. 5\*
- 50/125 multimode fiber with SC type connector (up 550m) and 62.5/125 multimode fiber with SC conector (up 220m)\*\*
- Gigabit Ethernet: 4 pair UTP Cat. 5, Cat5E\*

\* only for A02-SG32 and A02-SG64

\*\* only for A02-SF64-F

\*\*\* only for A02-SG64 and A02-SG64-F

Product	Product Code	EAN Code
32 bit Gigabit Ethernet Card	A02-SG32	8026974010021
32/64 bit Gigabit Ethernet Card	A02-SG64	8026974010038
32/64 bit Gigabit Ethernet Card (SC fibra)	A02-SG64-F	8026974010045

## 3 YEARS "ON SITE" WARRANTY!

The Atlantis Land products are guaranteed ONSITE for 3 years. Atlantis Land s.p.a will substitute the faulty product with a new one cost free. The warranty is free, we only require you to register on the web site [www.atlantis-land.com](http://www.atlantis-land.com) (in the section Supp./Warranty) within 30 days of the purchase date. Further details are available on the web site

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