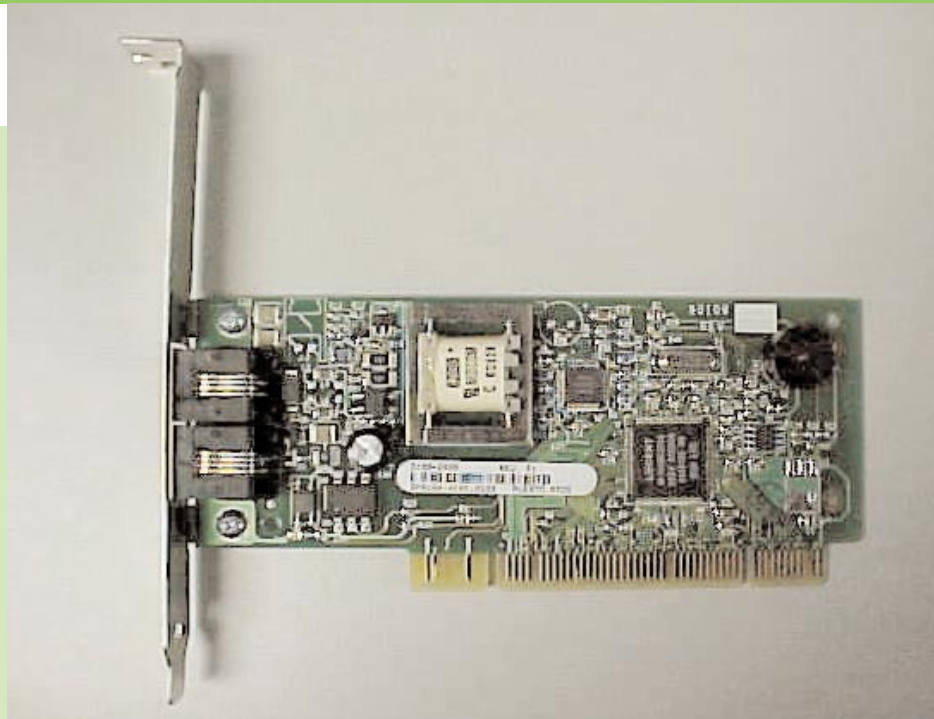


V.90/V.92 PCI Data/Fax

Modem

FEATURES

- V.90/V.92 Data/Fax Modem
- Agere/Lucent 1648 DSP
- PCI bus interface
- Windows® 9x, ME, XP, NT 4.0 compatible
- WHQL (Windows Hardware Quality Labs) certified
- Plug and Play
- V.80 video conference support
- Backward compatible to V.90 and V.34 standards
- Available in Domestic and International versions
- Supports standard PCI bus interface as well as the "Low Profile" PCI standard



Internal V.90/V.92 PCI Data/Fax Modem

SMART Modular Technologies PCI Host-Accelerated Modem offers the latest in flexibility and compatibility in a standard form factor modem. Its high level of integration offers a low-cost, high-performance, low-power, full-featured modem utilizing a PC host CPU for the ultimate Windows 95, 98, 98SE, ME, XP, or Windows NT 4.0 solution. The modem is designed to take advantage of the Agere (formerly Lucent Technologies) Mars 3 chipset's integrated PCI interface which allows it to have efficient access to host PC system resources. In conjunction with the host PC, it implements V.90/V.92 technology, which allows PC users to achieve Internet connection rates approaching 56 kbits/s with backward compatibility to existing V.34 modems. It also supports video-ready interface, high-speed data modes (V.34 extended rates and fallbacks), and Class 1 FAX capabilities.

The SMART internal modem provides the optimal parallel interface because it connects directly with the host PC's PCI bus. This eliminates the 16550 UART bottleneck. This chip set offers an on-chip PCI interface that supports both slave and master operation. The DSP hardware performs MIPS-intensive operations, such as V.92, V.34, and V.32 modulation, while the host performs other less MIPS-intensive functions, such as V.42bis. A host-based controller modem has the benefit of utilizing more powerful CPUs as they become available, as well as access to the system's RAM and disk space. Users can therefore be updated in the field, as code simply resides on the disk. Even with its superior performance, SMART's internal modem CPU usage is virtually the same as that of a conventional modem.

SPECIFICATIONS

Data Standards & Speeds:

Standards -
ITU V.92, V.90/ k56Flex, V.34+, V.34, V.32bis,
V.32, V.23, V.22bis and V.21
Bell 212A and 103

Data Speeds:

56K, 33,600; 31,200; 28,200; 26,400; 21,600;
19,200; 16,800; 14,400; 12,000; 9,600;
7,200; 4,800; 2,400; 1,200 and 300pbs

Fax Standards & Speeds:

Standards -
ITU-T; V.17; V.29; V.27ter and V.21 ch2
Fax Class 1

Fax Speeds:

14,400; 12,000; 9,600; 7,200; 4,800; 2,400;
1,200 and 300bps

Error Correction & Data Compression:

MNP® 2-4; V.42; LAPM; MNP 4; V.42bis, MNP 5

DTE Speeds:

115,200bps

Software Compatibility:

Windows 9x, XP, ME, NT 4.0

Command Sets:

Industry Standard AT Command Set; Extended AT
Commands; EIA Class 1 (EIA 578)

Dial Type:

Tone and Pulse

Operating Modes:

Auto dial/answer; auto feature negotiation

External Connectors:

2 - RJ-11 Phone jacks

Diagnostics:

CCITT V.54 Loopback tests:

- Local analog
- Local analog with self-test
- Local digital
- Remote digital Loopback
- Remote digital with self-test

Flow Control:

XON/XOFF; CTS/RTS (Hardware & Software)

Certifications:

FCC Part 15, Class B
FCC Part 68 PSTN
Industry Canada (CS 03)
WHQL (Windows Hardware Qualification Labs)
PC '99 Compliant
CE Conformity - EN50082/Part1, EN55022,
EN60950
UL1950 3rd Edition
EN61000-4-2

Environmental:

Temperature:

- Operating: 0C to +45C
- Storage: -25C to +60C

Altitude:

- 0 to 20,000 feet

Humidity:

- 10% to 90% (non-condensing)

Minimum System Requirements:

Single PCI slot in a desktop PC using at least a
Pentium 100MHz processor and either Windows
9x, XP, ME, or NT 4.0

International PTT Certifications

(for international part numbers only):

PTT approvals may be obtained for the following
countries (other countries available per request and
may require custom modification)

CTR-21 Austria, Belgium, Denmark, Finland,
France, Germany, Greece, Ireland, Italy,
Luxembourg, Netherlands, Portugal, Spain,
Sweden, United Kingdom, Iceland, Norway and
Switzerland

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PART NUMBERS

PC OEM -

Domestic: 90109-2 (40-pack modems only)
International: TBD (40-pack modems only)

Channel -

Domestic Single Pack: ST5614DFNAPABL (individually packed modem, RJ-11 cable and diskette with manual and drivers)
Domestic Bulk Pack: ST5614DFNAPABL40 (40 pack, modem only)
Optional Software Cable Kit - 40 count: QDSK/CBLTMDM40 (40 driver diskettes and cables only)



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