INTEL UNVEILS COMPLETE LINE OF HIGH-PERFORMANCE PRODUCTS FOR EMERGING DESKTOP FAXMODEM MARKET

HILLSBORO, Ore., April 20, 1992 -- Intel Corporation today introduced a broad line of desktop faxmodems that combine data and fax send/receive capabilities with a complete software solution for Windows* and DOS users. Priced as low as $129 (U.S.), the high-performance Intel faxmodems address an emerging personal communications product category in which faxmodems are displacing traditional data modems.

"The conventional modem capable only of handling data is a dying breed," said Dick Gough, desktop enhancements business unit manager for Intel's PC Enhancement Division. "Today's users should expect both data and fax functionality when they buy a modem. And although some products in the past combined data and fax technologies, users had to pay a penalty in one or the other function. With Intel's no-compromise approach to the faxmodem market, users pay no penalties -- in ease of use, quality fax output or data modem performance."

The new, Group 3-compatible Intel family of SatisFAXtion(R) modems includes the SatisFAXtion Modem/400, a state-of-the-art internal high-speed faxmodem; the SatisFAXtion Modem/400e, an external high-speed faxmodem; the SatisFAXtion Modem/200, a new version of Intel's award-winning SatisFAXtion board; and the SatisFAXtion Modem/100, an entry-level, internal faxmodem for the first-time modem buyer.

Each of the products supports the Communicating Applications Specification (CAS) and includes a three-year limited warranty. The model 400, 200 and 100 faxmodems will be available in April 1992. The model 400e faxmodem will be available in May 1992.

All of the Intel faxmodems come with software that enables faxing directly from DOS and Microsoft Windows applications. Each of the four products also ships with a free copy of DCA's CROSSTALK Communicator modem communications software, along with a special offer on two versions of Intel's advanced fax software for Windows: the FAXability(TM) Plus software and the FAXability Plus/OCR software.
The SatisFAXtion Modem/400

Intel's SatisFAXtion Modem/400 is a full-featured internal V.32bis faxmodem that supports data and fax line speeds as high as 14,400 bits per second (bps) for a suggested list price of $499 (U.S.). The model 400 faxmodem is compatible with the V.42bis CCITT (International Consultative Committee on Telephony and Telegraph) standard for data compression, providing a maximum throughput of 57.6Kbps, as well as the V.42 CCITT specification for reliable error control.

To guard against high-speed data overrun between the modem and the PC, the model 400 faxmodem features a "Smart" UART (Universal Asynchronous Receiver/Transmitter) architecture not found in any other faxmodem. The UART architecture uses the faxmodem's on-board Intel 16-MHz 80186 microprocessor, 512K of memory and a proprietary gate array design to provide sophisticated high-speed data buffering. This ensures that no data is lost, even in CPU-intensive environments such as Windows 3.0.

Intel's model 400 faxmodem features automatic speed optimization that adjusts data transfer rates during the transmission for ideal throughput. Fallback and fall forward capabilities compensate for any gain or loss in phone line quality, with line changes occurring in as little as 200 milliseconds. In addition, the product's data modem offers a quick connection option. When enabled, this option can reduce the connect time by as much as half from the typical modem connection time of 12 to 16 seconds.

For intelligent, transparent fax transmission, the model 400 faxmodem utilizes its dedicated coprocessor and on-board memory to provide true background processing. Coprocessed faxing assures that the user will not experience lockouts, line drops or performance slowdowns.

Like most standalone fax machines, Intel's model 400 faxmodem supports MR (Modified Read) encoding for fax compression, reducing connect times and phone line costs an average of 25 percent. MR encoding is a feature not supported by most PC faxmodems.
Intel's model 400 faxmodem also provides smart line sharing capability, enabling fax, modem and voice activity to share a single phone line. With smart line sharing, the faxmodem automatically rings the correct device on an incoming call.

The model 400 faxmodem features Intel's WYPIWYF(R) (What You Print is What You Fax(TM)) pop-up interface, enabling simple faxing directly from virtually any Windows or DOS application. It emulates Hewlett-Packard's advanced LaserJet Series III printers, allowing it to send laser-quality fax output. The faxmodem also emulates HP's LaserJet II and Epson FX85 printers.

For ease of setup and use, the model 400 faxmodem features switchless automatic configuration and Intel's Testcom utility, which aids modem setup and diagnostics. The model 400 also features soft updates, eliminating ROM swapping.

The model 400 faxmodem includes a Logitech-compatible grayscale scanner port that supports the Intel Hand Scanner to add graphics into documents for faxing. The Hand Scanner is available separately at a suggested list price of $399 (U.S.).

Intel's model 400 faxmodem also supports network faxing when combined with Intel's NET SatisFAXtion fax server software, available separately at a suggested list price of $799 (U.S.) per fax server license.

The SatisFAXtion Modem/400e

Intel's SatisFAXtion Modem/400e is a full-featured V.32bis external faxmodem that supports data line speeds as high as 14.4Kbps and fax speeds up to 9600bps, at a suggested list price of $549 (U.S.). Like the model 400 faxmodem, the model 400e faxmodem is compatible with V.42bis data compression, offering maximum error-free throughput of 57.6Kbps. Other features include:
- Automatic speed optimization
- Dedicated Intel 80186 data compression processor for maximum throughput
- Quick connect option
- WYPIWYF faxing from within DOS and Windows applications
- HP LaserJet II and III and Epson FX85 printer emulation
- CAS and Class 1 (EIA 578) fax software standards
The SatisFAXtion Modem/200

Intel's SatisFAXtion Modem/200, a more powerful successor to the SatisFAXtion board, is a two-thirds length internal faxmodem that supports fax sending and receiving at 9600bps at a suggested list price of $369 (U.S.). Like the model 400 faxmodem, the model 200 faxmodem incorporates a dedicated Intel 16-MHz 80186 microprocessor and 512K of memory, enabling reliable, transparent background processing. Its 2400bps modem supports V.42bis data compression, providing maximum data throughput of 9600bps.

Additional features of the SatisFAXtion Modem/200 include:
- WYPIWYF faxing from within DOS and Windows applications
- HP LaserJet II and III and Epson FX85 printer emulation
- Smart line sharing capability
- Scanner port for an optional Intel Hand Scanner
- Switchless installation
- Soft updates to eliminate ROM swapping
- CAS compatibility
- Testcom utility to aid modem setup and diagnostics

The model 200 faxmodem also supports network faxing when combined with Intel's NET SatisFAXtion fax server software.

The SatisFAXtion Modem/100

Intel's SatisFAXtion Modem/100 is a low-cost internal half-length card that provides fax sending at 9600bps, fax receiving at 4800bps and a modem line speed of 2400bps -- at a suggested list price of $129 (U.S.). Additional features include:
- WYPIWYF faxing from within DOS and Windows applications
- Epson FX85 printer emulation
- Compatibility with CAS and Class 1 (EIA 578) fax software standards
- Testcom utility to aid modem setup and diagnostics

Product Availability

Intel's family of faxmodems is available through more than 2,000 retail computer stores in the United States,
Intel is an international manufacturer of microcomputer components, modules and systems.

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INTEL ENTERS RETAIL SOFTWARE MARKET WITH FAXability(TM) SOFTWARE FOR FAXING IN WINDOWS*

HILLSBORO, Ore., April 20, 1992 -- Intel Corporation today moved to bolster its leadership in the PC fax arena with the introduction of FAXability(TM) Plus and FAXability Plus/OCR Software for Windows*, two versions of a complete, easy-to-use fax application designed to run on any industry-standard faxmodem. FAXability Plus/OCR is the first fax application that has built-in support for both OCR (optical character recognition) technology and the TWAIN application programming interface for image capturing from scanners.

In the development of the FAXability software, Intel leveraged its expertise in PC fax technology to provide a complete fax software solution.

The FAXability software incorporates Intel's WYPIWYF(R) (What You Print Is What You Fax(TM)) interface, allowing the user to transmit faxes from within any Microsoft Windows application by invoking the common print command to receive with laser printer quality output.

"We fine-tuned the FAXability software to more than 20 faxmodems on the market, promising a comprehensive solution for PC fax users," said Dick Gough, desktop enhancements business unit manager for Intel's PC Enhancement Division.

"Faxing from the desktop just doesn't get any easier than with Intel's FAXability software." This is the way faxing from a PC
The software is available in two versions. The FAXability Plus software, priced at $119 (U.S.) suggested list, offers inbound and outbound PC fax capabilities and supports a wide range of high-end fax capabilities. The FAXability Plus/OCR software, priced at $249 (U.S.) suggested list, provides all of FAXability Plus' features plus OCR support. Both versions will be available in May 1992 through all major software resellers.

Intel's FAXability software is compatible with any faxmodem that complies with the Class 1 (EIA 578) standard, the Class 2 (PN-2388) specification under development, the Intel/DCA Communicating Applications Specification (CAS) or the Sierra Sendfax interface. Hardware compatibility includes the Intel family of SatisFAXtion(R) modems. (See accompanying release for information on Intel's faxmodems.)

Intel has also addressed user demand for improved capabilities in manipulating incoming PC faxes, minimizing storage requirements for received faxes and printing received faxes quickly. Reflecting Intel's ongoing relationship with Calera Recognition Systems Inc., the FAXability Plus/OCR software incorporates OCR capabilities based on Calera technology. The OCR capability lets users convert incoming faxes into text that can be edited, indexed or routed electronically. Converting fax images into text also conserves valuable disk space and enables users to print and retrieve faxes quickly and easily.

OCR conversion allows the text to be read by word processors and other applications. The FAXability Plus/OCR software supports all major application file formats, including Microsoft Word, Microsoft Excel, Lotus 1-2-3 and Aldus PageMaker.

The FAXability Plus/OCR software recognizes a broad range of font styles and print text, including typewritten, typeset, laser printed and draft-quality dot matrix. On clean fax images sent in fine mode, the software achieves highly accurate results, capturing both text and page formatting information.

By supporting the TWAIN specification, Intel has simplified the typically cumbersome process of scanning an
image into the PC and sending it as a fax. TWAIN, a high-
level API (application programming interface) announced in
October 1991 and spearheaded by Hewlett-Packard, Logitech
Inc., Aldus Corp., Caere Corp. and Eastman Kodak Co., provides
software developers with a seamless method for integrating
scanning capabilities into Windows-compatible applications.
The software's built-in scanner interface streamlines the
scanning and faxing process, enabling the software to "scan
and fax" a document in a single step.

Both versions of the software provide a broad range of
outbound fax features, including the ability to create
multidocument faxes that draw from several applications. Also
supported are timed transmissions, group broadcasting and on-
- More-
line phone books.

Intel's FAXability software also includes a number of
features that enhance the receiving and viewing of incoming
faxes. Received faxes can be viewed, printed, forwarded or
saved in a variety of image file formats that the FAXability
software supports, including PCX, DCX and TIFF. Additional
capabilities include multiple zooming and sizing options, 180-
degree fax rotation, copying to and pasting from a clipboard
and printing to any Windows-supported printer.

In addition, the FAXability software will turn any Class 1,
Class 2 or Sendfax faxmodem into a CAS device. This allows users
to run any of the more than 100 CAS applications now available.

With its manual connection option, Intel's FAXability
software provides an ideal faxing solution for users of laptop
and notebook computers. The manual connection option lets
travelers make a call from the voice handset and hit a single
key, at which point the modem takes over to assure a reliable
connection with the device on the receiving end. Other
features beneficial to portable PC users include prefix and
suffix support, which allows users to post charges to a credit
card (AT&T, Sprint) when sending faxes, and reverse video for
easy viewing and lower power consumption.

Intel's FAXability software is available worldwide
through Intel's network of distributors, value-added resellers
and retailers. Additional product information on Intel's
faxmodems is available at (800) 538-3373 for U.S. and Canadian
customers; at 44-793-431-155 for European customers; or at
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(503) 629-7354 for other international customers.