

High-Function 3270 Connectivity Software  
for the PC and Personal System/2™

# EXTRA! Connectivity Software™

**Universal 3270 connectivity.** Attachmate's *EXTRA! Connectivity Software* is a new generation of 3270 connectivity software that provides powerful tools for your IBM® or compatible PC, Personal System/2 and 3270-PC. Universal connectivity lets you use all the functions over coax, remote modems or Local Area Networks, with a wide choice of hardware adapters.

**A high-function LAN workstation.** *EXTRA!* can be configured as a workstation on a Local Area Network, communicating with the mainframe through an Attachmate or IBM Gateway -- no software upgrade is necessary. All user functions and program interfaces remain available.

**Full-function 3270 emulation.** *EXTRA!* delivers much more than basic 3270 emulation. All major 3270 screen sizes are supported, including the 27x132 model 5 in full color!



Attachmate's *EXTRA! Connectivity Software* is a powerful, multi-session 3270 workstation program that conforms to IBM connectivity standards for coax, remote and LAN connections.

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*Even when used on non-IBM hardware, EXTRA! maintains IBM-compatible interfaces.*

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**Keyboard mapping options.** *EXTRA!* supports a wide range of keyboards, including IBM's Enhanced 102-key. Choose from several languages and configurations, or create your own custom layouts.

**3 ways to transfer files.** *EXTRA!* supports the IBM-standard Send/Receive transfer, TSO/CMS editor transfer, and DISOSS PS/370 transfer -- a simple alternative to PS/PC.

**Save time with up to four active host sessions.** Hot-key between mainframe applications with a keystroke. Multiple sessions let you access host information and transfer files at the same time. And you can display all sessions at once in color windows, along with your PC-DOS application.

**Use your PC printer as a 3287 mainframe printer.** Mainframe output may be printed at your PC or redirected to any printer on a LAN. Use multiple sessions to print in background while you do other work.

**The most important element: IBM compatibility.** IBM's announcement of the Personal System/2 sets new standards and reinforces existing standards for 3270 hardware and software interfaces. *EXTRA!* supports these IBM-standard interfaces to ensure compatibility with current and future products from IBM.

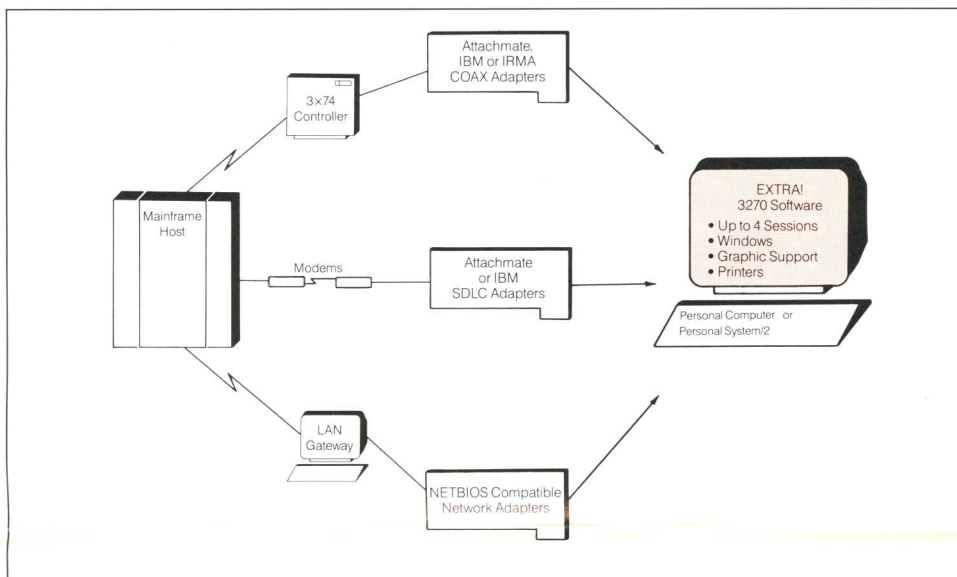
**IBM compatibility for all major coax adapters.** *EXTRA!* supports all Attachmate, IBM and IRMA® coax adapters. Even when used on non-IBM hardware, *EXTRA!* maintains IBM-compatible program interfaces. Plus, all IBM-style user screens remain the same regardless of the adapter or type of PC, including Personal System/2.



**Attachmate**

**IBM-compatible API paves the way for second-generation connectivity.** Use the Application Program Interfaces to create an intelligent workstation with simplified user screens and automated transactions. *EXTRA!* includes IBM-compatible 3270-PC API (Application Program Interface), HLLAPI (High Level Language API) and SRPI (Server/Requestor Programmer Interface).

**Optional Host Graphics.** Full-screen S3G graphics support is just a simple software upgrade with the *EXTRA! Host Graphics* option. You can even *edit* host graphics at your PC.



Attachmate's *EXTRA!* program offers high functionality, IBM compatibility and universal connectivity.

**IBM software compatibility:** Supports IBM Send/Receive (IND\$FILE) File Transfer, Personal Services/PC and other IBM programs. It includes Application Program Interfaces compatible with IBM PC 3270 Emulation Program 3.0 API, 3270-PC API, SRPI and IBM HLLAPI/EEHLLAPI (Entry Emulator High Level Language API).

**IBM network compatibility:** Supports networks using IBM NETBIOS interfaces. Compatible with IBM gateway systems running PC3270 Emulation Program Version 2.0 and 3.0.

**Host graphics:** *EXTRA! Host Graphics Option* is a software upgrade that allows high-resolution host graphics to be displayed, printed and edited at the PC. Up to four host sessions, text or graphics, may run concurrently.

**Availability and upgrades:** *EXTRA! Release 1.1* is available as of June 1, 1987. *EXTRA! Release 1.2* will be available October, 1987 (see specifications at right for Release 1.2 enhancements). Purchasers of Release 1.1 may receive an upgrade to Release 1.2 free of charge. Users of other Attachmate 3270 software may upgrade to *EXTRA!* for a nominal charge.

## EXTRA! Specifications

### 3270 Emulation:

- 3278/79 Models 2,3,4,5 (DFT or CUT)
- 3287 (LU1, LU3), assignable to LAN printers
- 3174/3274 (remote configuration)\*
- Configurable host colors
- APL character set\*
- Supports IBM Send/Receive file transfer
- Supports DISOSS-PS/370 Transfer
- Supports IBM PS/PC, PC/PROFS

### Available On-screen Windows:

- Up to 4 mainframe sessions
- 2 electronic notepads
- Concurrent PC-DOS
- Copy between windows
- Screen capture

### Supported Coax Adapters:

- Attachmate 3270 Coax Adapter
- IBM 3278/79 Emulation Adapter
- IBM 3270 Connection (PS/2)
- IRMA\*
- CXI PCOX (IRMA mode)\*

### Supported Remote/Modem Adapters\*:

- Attachmate SDLC
- Attachmate SDLC/Autolink
- IBM SDLC
- IBM Multi-Protocol (PS/2)

### Supported LAN Adapters:

- IBM Token Ring
- IBM PC Network Adapter
- IBM PC Network Baseband Adapter
- Other NETBIOS-compatible interfaces

### Supported Gateways:

- Attachmate 3270 Gateway
- IBM PC3270 Emulation Program Versions 2 & 3

### Keyboard Support:

- Standard 83/84-key for PC/AT
- IBM Enhanced 101/102-key
- IBM 3270-PC 122-Key
- Keytronic KB3270 122-Key
- National Language Support
- User remapping

### Graphics Support:

- *EXTRA! Host Graphics* option
- IBM GDDM-PCLK

### IBM Program Interfaces:

- PC3270 API
- 3270-PC/Workstation API
- EEHLLAPI
- 3270-PC/Workstation HLLAPI
- SRPI\*

### Typical Memory Usage:

- 90K-150K

\*Available with *EXTRA! Release 1.2* (remote functions for IBM and compatible PCs are currently available using Attachmate RemoteStation products). Upgrades to *EXTRA! Release 1.2* will be available.

For ordering information, call  
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