

# GALACTICOMM

## BREAKTHROUGH FACT SHEET

November 1990

The **Galacticomm Breakthrough, Model 2408**, is an 8 modem circuit card for the XT/AT/EISA bus. Each modem operates independently at 300, 1200, or 2400 bps. The modems are registered under FCC Part 68, and the board as a whole qualifies as Class A under FCC Part 15. Each modem is individually microprocessor-controlled, and supports the industry standard "AT" command set. CCITT V.22bis, V.22/V.21, and Bell 212A/103 protocols are supported. Telephone (RJ-11) cables are included.

	<i>non-MNP</i>	<i>MNP Class 4</i>
<i>Model 2408 w/2 modems</i> .....	\$ 1536	\$ 1696
<i>Model 2408 w/4 modems</i> .....	\$ 2090	\$ 2388
<i>Model 2408 w/6 modems</i> .....	\$ 2644	\$ 3080
<i>Model 2408 w/8 modems</i> .....	\$ 3198	\$ 3772
<i>Individual XE2400 modems</i> .....	\$ 279	\$ 348

The **Major BBS** is our multi-user Bulletin Board System software package, which includes electronic mail, teleconferencing, file upload/download, SIG (Special Interest Group) messaging and file areas, questionnaires, a user registry, classified ads, user account display and edit functions, a system information module, and complete System Operator control, accounting, and display functions.

The **C source code** to The Major BBS is available separately, along with the message text files, linker control files, assembly library files, and Btrieve parameter files. This package is necessary if you wish to integrate 3rd-party software with your system, merge multiple extended editions, or develop new functionality of your own design.

The **GSBL (Galacticomm Software Breakthrough Library)** is our programmer's "communications toolkit" package. It provides a very programmer-friendly interface to all Galacticomm multi-modem cards, multi-port serial cards, and all COM1/COM2-type devices as well. It is a necessary component of The Major BBS development environment, but programmers also find it perfect for the development of credit-card verification systems, call-forwarding systems, file transfer systems, multiple listing services, etc.

The number of users shown below refers to the maximum number of users, or data channels or ports, that the software is capable of supporting simultaneously. Please specify 5.25" or 3.5" disks when ordering.

	<i>with C</i>		
	<i>The Major BBS</i>	<i>source &amp; GSBL</i>	<i>GSBL separately</i>
<i>2 users</i>	\$ 59	\$ 344	\$ 172
<i>4 users</i>	\$ 359	\$ 644	\$ 447
<i>8 users</i>	\$ 659	\$ 944	\$ 722
<i>16 users</i>	\$ 959	\$ 1244	\$ 997
<i>32 users</i>	\$ 1259	\$ 1544	\$ 1272
<i>64 users</i>	\$ 1559	\$ 1844	\$ 1547

You may "trade up" to more users at any time, with full credit for your existing software applied to the upgrade. The same is true of upgrading to the source/GSBL package. For example, suppose you have the basic 2-user package, and you want to upgrade to 4 users. Your cost would be \$300, with the trade-in of your \$59 package. Later, if you wanted the C source and 4-user GSBL too, you could trade in your 4-user copy of The Major BBS and pay only \$285 additional (\$644-359=\$285).

— Call for prices on systems larger than 64 simultaneous users! —

The **GalactiBox™** is an AT-size card enclosure with slots for up to 16 standard 8-bit I/O option cards inside. It comes with an interface card for the XT/AT/EISA bus and a connecting cable. The GalactiBox can be used as a 16-slot "expansion chassis" if desired, but its real power comes from its ability to "multiplex" a group of identical XT/AT/EISA option cards into software-distinguishable I/O addresses.

This "multiplexing" has two modes, individually DIP-switch configurable on each of the 16 slots: GalactiBox Mode, in which the slot is enabled if and only if the high-order six I/O address bits match its slot and chassis address; and Universal Mode, which allows each slot to be individually enabled or disabled, under software control, on the basis of a bit setting in the "Universal Disable Register". Two 8259 interrupt controller chips are provided, jumper-selectable between interrupt levels 2, 3, 4 and 5 on both inputs and outputs, the latter being available either separately or as a combined, edge-regenerating signal.

The GalactiBox can be used with modems, FAX cards, voice/DTMF interface cards, serial cards, or any 8-bit I/O option cards, to expand the hardware addressing potential of these cards for multi-line, multi-user, or multi-tasking applications. Up to 4 boxes may be connected to one machine, for expansion up to 64 slots.

	<i>9600bps V.32</i>	<i>2400bps</i>	<i>MNP Class 5</i>
<i>GalactiBox (unpopulated)</i> .....	\$ 1992	\$ 1992	\$ 1992
<i>GalactiBox w/4 modems</i> .....	\$ 2416	\$ 4668	\$ 4668
<i>GalactiBox w/8 modems</i> .....	\$ 2840	\$ 7344	\$ 7344
<i>GalactiBox w/16 modems</i> .....	\$ 3688	\$ 12,696	\$ 12,696
<i>Individual single-slot modems</i> .....	\$ 109	\$ 672	\$ 672

The **X.25 Software Option** works with the "PC X-Net" packet-switch package from OST, Inc. (phone: 703-817-0400). It is available for both the BBS and the GSBL. This software option allows you to deal with X.25 virtual circuits as though they were ordinary serial channels. No PAD is required. Using this option, you can attach your system directly to TELENET, TYMNET, ARPANET, CompuServe Network, RBOC videotex gateways, Datapac, and other X.25 networks.

*Add-on cost of X.25 software option* .....

**Ergo OS/286 Protected-Mode Toolkit** (special MAJORBBS-ONLY version) is a DOS extender that allows The Major BBS to address up to 15 megabytes of "extended" memory on your 286, 386, or 486-based PC. Requires the C source code to the BBS.

*Ergo OS/286 (special MAJORBBS-ONLY version)* .....

### GENERAL ORDERING INFORMATION:

Please call our main number, 305-583-5990, and say, "I'd like to place an order." We can generally ship your order within 48 hours. We normally ship UPS "Blue" (2nd-day air). However you ask us to ship is fine, too!

We accept

VISA, MASTERCARD, and AMERICAN EXPRESS

★ Prices shown do not include shipping or insurance ★

We cover shipping within the U.S.A. if you pay in advance by cash or check. Otherwise C.O.D., shipping and insurance charges collect. Cashier's checks only on C.O.D.s, please. Purchase Orders accepted ONLY from U.S. governmental agencies and U.S. corporations with favorable Dun & Bradstreet ratings. Florida orders please include 6% sales tax. Overseas orders must be paid in advance in U.S. dollars, drawn on a U.S. bank, or by credit card, and must include \$25 plus \$5 per lb extra for Express Mail shipping (Model 4: 6 lbs; Model 16: 9 lbs; Model 2408: 9 lbs; Stargate PLUS-8: 7 lbs; serial cables: 1 lb each; The Major BBS: 1 lb; GSBL: 2 lbs; GalactiBox: 35 lbs; 2400bps modems: 2 lbs each; 9600bps modems: 3 lbs each).

Galacticomm, Inc. 4101 S.W. 47 Ave.  
Suite 101, Fort Lauderdale, FL 33314

Modem: (305) 583-7808

Fax: (305) 583-7846

Voice: (305) 583-5990

**Super-Combo Protected-Mode No-Source Special:** File Library, Entertainment, Shopping Mall and MenuMan Editions, all pre-linked and ready to run, fully configurable but without source code or development tools of any kind. Runs in true "extended memory" on any high-speed 286, 386, or 486 (2MB required, 4MB recommended). Works with MS-DOS 3.3 or 4.01. Limited to maximum modem speeds of 9600 bps.

- Super-Combo Special for 2 simultaneous users* ..... \$ 829
- Super-Combo Special for 4 simultaneous users* ..... \$ 1129
- Super-Combo Special for 8 simultaneous users* ..... \$ 1429
- Super-Combo Special for 16 simultaneous users* ..... \$ 1729
- Super-Combo Special for 32 simultaneous users* ..... \$ 2029
- Super-Combo Special for 64 simultaneous users* ..... \$ 2329

**The Stargate PLUS-8** is an 8-port RS-232 serial interface subsystem, suitable for use with The Major BBS and/or the GSBL. Up to 4 of these cards can be installed in a single PC, for a total of up to 32 simultaneous serial links. Baud rates may range from 50 to 19200 baud per channel. The Major BBS can use this card to interface to external modems, or for local serial lines around an office.

- Stargate PLUS-8 serial card (w/WD16C450 UARTs)* ..... \$ 585
- 7-foot serial cable (8 needed, per Stargate), each* ..... \$ 12

**SOFTWARE EXTENSIONS**

Any single extended edition can be installed over an existing "Standard Edition" system quickly and easily, without disturbing your existing configuration data variables or user account structures in any way. Even if jumping ahead several versions, the work that you have done at configuration levels 1, 2, and 3 will all be protected, and your user data files (including E-Mail, SIGs, attachments, Registry entries, and classified ads) will all be automatically carried forward into the new version completely intact.

Each extended edition will run in 512K or less, up to 16 users. For 16 to 32 users, 640K may be required; above 32 users, more than 640K may be required.

You do not need a C source license to any of this software in order to simply run it. You *do* need C source licenses if you plan to combine extended editions with each other, or integrate third-party software, or make your own modifications or enhancements to your system at the C source level.

If you want to combine extended editions with each other, or integrate third-party software into your system, custom C source compilation and linking is required. If you don't have the knowledge or inclination to get involved in this, the following companies specialize in providing integrated solutions:

<u>Company Name</u>	<u>Contact</u>	<u>Phone Number</u>
Galactic Innovations	Scott Brinker	305-321-2400
ProStar Software	Robert Michnick	206-946-0579
H-A-B Associates	Michael Narimatsu	415-541-0131
ARK-TEC, Inc.	Ron Sachse	416-292-7705

**The Automatic Software Update Program (ASUP)** entitles you to free updates to any and all Galacticomm software licenses you hold. Each time we come out with a significant update to a software product, we immediately mail out updates to all current ASUP members who have previously bought the product. A 30-day ASUP membership is included free with every software purchase. You may then extend your coverage for a full year, if you like.

- ASUP membership, per year* ..... \$ 199

The **File Library Edition** of The Major BBS is an extension of the standard BBS with enhanced features relating to *file upload and download*. An extra option appears in the user Main Menu, titled "File Library". This allows users to see file "directories", with DOS file-names, lengths, creation dates, and a short description of each file. Features include ZMODEM, KERMIT, Super-KERMIT, YMODEM-Batch, YMODEM-g, configurable charges per downloaded file, drive and path management, password-protected subdirectories, pre-keyed (i.e. super-fast) keyword searching, and much more. The new advanced protocols also become available for upload and download of E-Mail and SIG attachments. The File Library Edition EXE file is about 110K larger than the standard edition.

- Add-on cost of File Library Edition* ..... \$ 199
- Add-on cost of File Library C source extensions* ..... \$ 159

The **Entertainment Edition** of The Major BBS greatly extends the power of the BBS in the area of *fun and games*. It includes Androids! (a multi-player arcade-style ANSI-graphics game), Flash Attack (a futuristic tank and laser battle for multiple players with IBM PC's), and the Action Teleconference Link-Up, a supercharged multi-user chat extravaganza with action verbs (grin, nudge, hug, etc.), custom entry/exit messages (e.g. "Sysop has just flown into the chamber on a chariot of fire!"), the ability to link together with other Galacticomm systems for massive cross-town or cross-country teleconference parties, and much more! The Entertainment Edition EXE file is about 100K larger than the standard edition.

- Add-on cost of Entertainment Edition* ..... \$ 149
- Add-on cost of Entertainment C source extensions* ..... \$ 129

The **Shopping Mall Edition** of The Major BBS extends the system into *online order entry, catalog sales, and credit-card-based purchases* of both physical products and online time. An unlimited number of "stores" can be created, each of them run by a different User-ID, each with its own product line, pricing policies, discount schedule, shipping methods list (with flat rate, percent of sale, 1st-ounce/add'l-ounce, or 1st-pound/add'l-pound shipping rates), payment methods list (with flat rate or percent of sale surcharges or discounts, and built-in Kuhn Formula credit card number validation), and much more. Users can search for store by product category, browse catalogs, place and cancel orders at will. Adds only about 40K to standard edition EXE file size.

- Add-on cost of Shopping Mall Edition* ..... \$ 249
- Add-on cost of Shopping Mall C source extensions* ..... \$ 189

The **MenuMan Edition** of The Major BBS is an extension of the standard BBS with emphasis on freedom of *menu construction*. Design your own menu tree, with menus leading to menus leading to menus, or to ASCII text files of your choice which are simply scrolled out to the user's screen, or to "module" directives that simulate "concatenated commands" which are treated as though issued at the conventional Main Menu prompt. Features include a "GO" command for direct routing to a named page, a "FIND" command for searching the menu tree, and online remote editability of the menu tree by the Sysop, without any need to shut the system down! Very easy to set up and use. The MenuMan Edition EXE file is only about 20K larger than the standard edition.

- Add-on cost of MenuMan Edition* ..... \$ 149
- Add-on cost of MenuMan C source extensions* ..... \$ 129

**One-Shot Updates** are available, if the ASUP is not for you, for a service fee of \$19 per diskette or manual. Naturally, this service is only available on updates to software of which you are a registered licensee.

**Note: An Update** to the latest version of the software is *automatically included* in any upgrade that you buy, whether a doubling of users, a purchase of C source and GSBL, or moving up to an extended edition.