

# ELECTRONIC VISIONS, INC.

## EVI-FTP

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EVI-FTP is an Electronic Visions, Inc. implementation of the File Transfer Protocol on a TCP/IP network using EVI's MRN-200/250. EVI-FTP software provides file transfers between a MODCOMP and any FTP client or server.

The EVI-FTP provides file transfers to or from TOC, LIB, SED and BIOS partitions or FMG data files which have a TOC, LIB or SED USL directory. File Manager files may be specified using the full file description with provisions for transport, volume, directory and data files.

The standard FTP directory commands are implemented for File Manager, TOC, LIB, and SED directories.

EVI-FTP supports both Server and Client modes with a

total of twelve concurrent connections shared between the two modes. The Server is implemented as a single task supporting up to four simultaneous sessions. Clients are implemented as JM/JOB Control Shared Overlays which will allow multiple copies to be executing simultaneously.

The EVI-FTP software requires the MRN-200/250 which provides a TCP interface with minimal impact to the Host system. EVI-FTP is supported under the MAX IV operating systems from revision F.0 to the current and MAX 32 from revision B.0 to the current. The compatibility with older revisions of the operating systems and its minimal MAP 0 requirements make the EVI-FTP and MRN-200/250 a cost effective product.

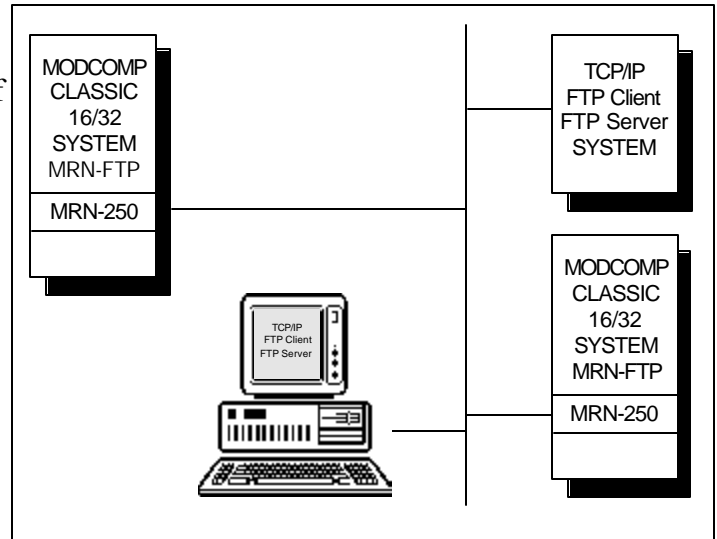


Figure 1, Typical EVI-FTP Configuration

### FEATURES:

- Supports standard FTP commands
- Supports FMG/Toc/Lib/Sed files & partitions
- Enhanced FMG support to allow Transports
- Provides Client and Server modes
- Up to 12 concurrent connections
- Minimal Map Zero requirements
- O/S independents MAX IV F.0 to current  
MAX 32 B.0 to current

### SOFTWARE: (SUPPLIED)

EVI-FTP Server & Client  
MRN-200 or 250 Software Upgrade

### SOFTWARE: (REQUIRED)

MRN Symbiont  
MRN-200/250 Software

### HARDWARE : (SUPPLIED)

None

### HARDWARE: (REQUIRED)

MRN-200 & MODCOMP 4805-1 or 4805-2  
-or-  
MRN-250.

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## FTP Client Commands

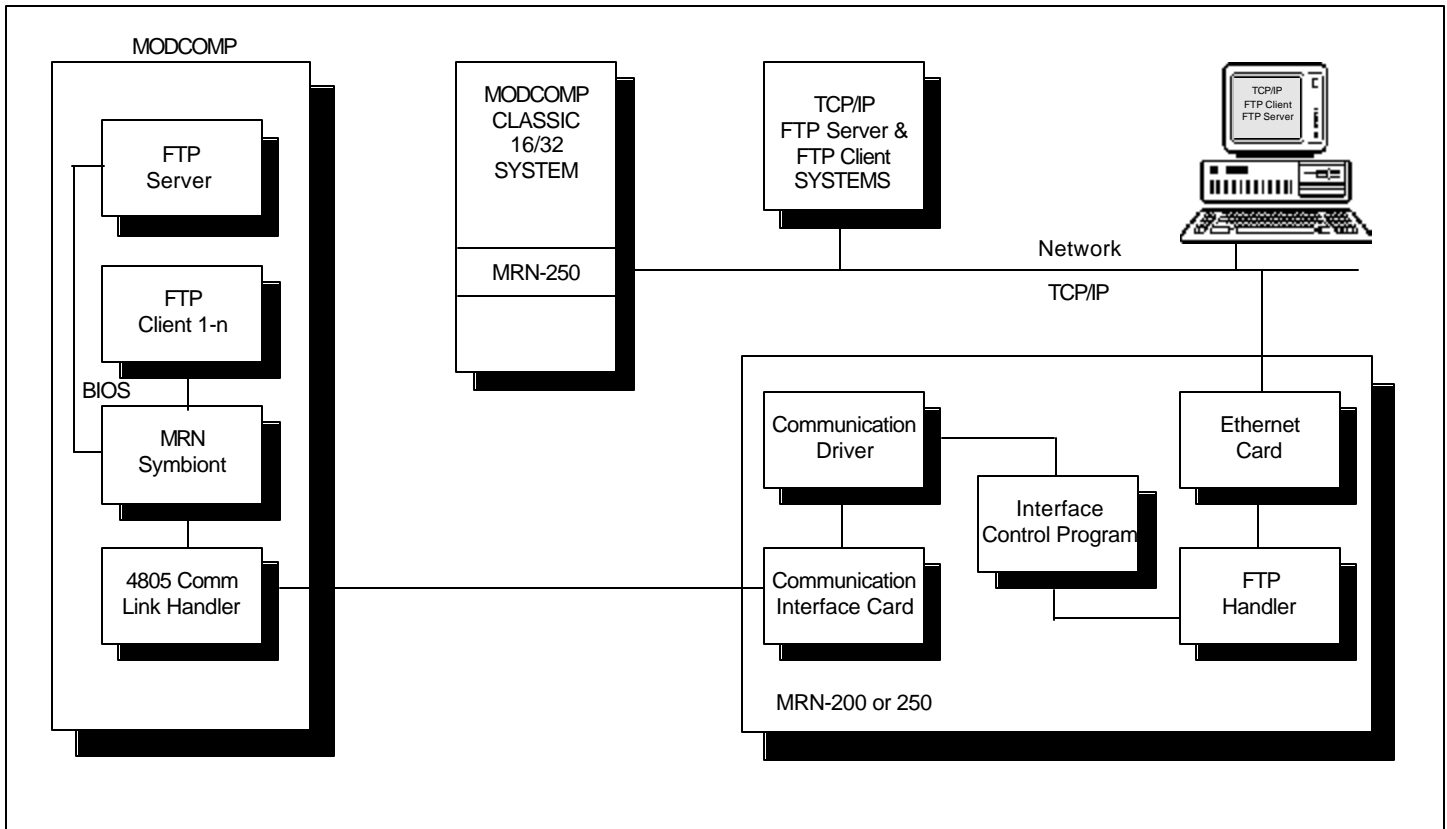
<b>ACCOUNT</b>	Send Account Number to the Remote Server	<b>HELP</b> or ?	Print Local Help Information.
<b>APPEND</b>	Send File and Append to End of Specified File	<b>HOME</b>	Equivalent to the Job Control HOME Command.
<b>ASCII</b>	Specify ASCII File Transfer Type	<b>IMAGE</b>	Specify Image File Transfer Type.
<b>ASSIGN</b>	Equivalent to the Job Control ASSign Command.	<b>LCD</b>	Change the default pathname on the local system.
<b>AVFILE</b>	Equivalent to the Job Control AVFile Command.	<b>LCDUP</b>	Change Local Directory to Next Higher Level.
<b>AVRECORD</b>	Equivalent to the Job Control AVRecord Command.	<b>LDIR</b>	List Local Files in a Pathname
<b>BELL</b>	Notify User When File Transfer Finishes.	<b>LDUP</b>	Change Local Directory to Next Higher Level.
<b>BINARY</b>	Specify Binary (Image) File Transfer Type.	<b>LENGTH</b>	Set page length for listings.
<b>BKFILE</b>	Equivalent to the Job Control BKFile Command.	<b>LPWD</b>	Display the local default pathname
<b>BKRECORD</b>	Equivalent to the Job Control BKRecord Command.	<b>LS</b>	List the Contents of the Remote Directory
<b>BYE</b>	Terminate Connection to Remote Server and Exit FTP Client.	<b>MDELETE</b>	Delete multiple files
<b>CD</b>	Change Remote Directory.	<b>MGET</b>	Retrieve multiple files
<b>CDUP</b>	Change Remote Directory to Next Higher Level.	<b>MKDIR</b>	Create a Remote Directory
<b>CLOSE</b>	Terminate Connection to the Remote Server.	<b>MODE</b>	Set the File Transfer Mode
<b>CMDHELP</b>	Display Help on Command Error.	<b>MPUT</b>	Send multiple files
<b>CONNECT</b>	Open a Connection to a Remote Server	<b>\$NOT</b>	Display message to CO
<b>DEBUG</b>	Debug Mode.	<b>OPEN</b>	Open a Connection to a Remote Server.
<b>DELETE</b>	Delete a File on the Remote System	<b>PASSWORD</b>	Send Password Information to the Remote Server.
<b>DIR</b>	List the Contents of the Remote Directory.	<b>\$PAU</b>	Display message to CO & Hold
<b>DISCONNECT</b>	Terminate the Connection to the Remote Server.	<b>PUT</b>	Send a File to the Remote Server
<b>\$END</b>	Terminate a procedure.	<b>PWD</b>	Print the Current Working Directory of the Remote System.
<b>EXIT</b>	Terminate Connection to Remote Server and Exit	<b>QUIT</b>	Terminate Connection to Remote Server and Exit
<b>FILE</b>	Set the End of File Option.	<b>QUOTE</b>	Send an FTP Command String "As Is".
<b>FORM</b>	Set File Transfer Format	<b>RECV</b>	Get a File from the Remote System.
<b>GET</b>	Get a File from the Remote System.	<b>REMOTEHELP</b>	Tell the Remote Server to Display Command Help.
<b>HASH</b>	Signify When Each Buffer Transfers	<b>RENAME</b>	Rename a File on the Remote System.
		<b>REWIND</b>	Equivalent to the Job Control REWind Command.

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## FTP Server Commands

<b>RMDIR</b>	Remove a Directory on the Remote System.	<b>ACCT</b>	Account
<b>SEND</b>	Send a File to the Remote Server	<b>APPE</b>	Append
<b>SENDPORT</b>	Send a PORT Command to the Remote Server.	<b>CDUP</b>	Change to parent directory
<b>SHOW</b>	Get a File from the Remote System and Display it to LO.	<b>CWD</b>	Change working directory
<b>SITE</b>	Send a site specific command	<b>DELE</b>	Delete file
<b>STATUS</b>	Show Current Status	<b>HELP</b>	Display accepted command list
<b>STRUCT</b>	Set the File Transfer Structure	<b>LIST</b>	List files in a directory
<b>SUNIQUE</b>	Set store-unique on the Remote Server.	<b>MODE</b>	Set transfer mode
<b>TENEX</b>	Set Tenexc File Transfer Type	<b>NLST</b>	List names of files in a directory
<b>TRACE</b>	Packet Tracing.	<b>NOOP</b>	Null operation
<b>TYPE</b>	Set the File Transfer Type.	<b>PASS</b>	Password
<b>USER</b>	Send User Information to the Remote Server.	<b>PORT</b>	Set transfer port address
<b>VERBOSE</b>	Verbose Mode.	<b>PWD</b>	Print working directory
<b>WEOF</b>	Equivalent to the Job Control WEOF Command	<b>QUIT</b>	Terminate connection
		<b>RETR</b>	Retrieve (get) a file
		<b>RNFR</b>	Rename from
		<b>RNTO</b>	Rename to
		<b>SITE</b>	Site specific commands
		<b>STAT</b>	Display current transfer parameters
		<b>STOR</b>	Store (put) a file
		<b>STOU</b>	Store (put) a file with a unique name
		<b>STRU</b>	Set transfer structure
		<b>SYST</b>	Display operating system name
		<b>TYPE</b>	Set transfer type
		<b>USER</b>	User name
		<b>XCUP</b>	Old style change to parent directory
		<b>XCWD</b>	Old style change working directory
		<b>XPWD</b>	Old style print working directory

# EVI-FTP Data Routing



Electronic Visions, Inc's products are of the highest quality and designed with the customers needs in mind. All products are delivered with a one year, return to factory warranty.

If you would like more information on this or any of the other products offered by Electronic Visions, Inc. please contact us at any of our offices listed.

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