

**RJE/3000**  
**Remote Job Entry**  
**Section A**

---

The *Communications Handbook* (obsolete part number 30000-90105) has been restructured to make it more widely available and more readily updated. The various sections of the handbook are now available in two ways:

1. Those sections pertinent to all datacomm products, including controller, modem, CS Trace and troubleshooting guides, are now combined and expanded into a separate handbook, the *Fundamental Data Communications Handbook* (5957-4634). This handbook is included with each new HP 3000 and as such is updated under operating system and software contracts. It can be separately ordered from CSO.
2. The product specific sections are now provided with each product for use as quick references and as such are updated under operating system, software and manual contracts for the products. These sections can also be separately ordered from CSO.

The RJE/3000 section of the *Data Communications Handbook* is intended for use as a quick reference. It is not a set of product specifications. Refer to the appropriate reference manual for complete product, system, and component specifications.

---



Information Networks Division

Part No. 30248-90006  
E0684

Printed in U.S.A. June 1984

Copyright © 1984 HEWLETT PACKARD

## PRINTING HISTORY

New editions are complete revisions of the manual. Update packages, which are issued between editions, contain additional and replacement pages to be merged into the manual by the customer. The dates on the title page change only when a new edition or a new update is published. No information is incorporated into a reprinting unless it appears as a prior update; the edition does not change when an update is incorporated.

The software code printed alongside the date indicates the version level of the software product at the time the manual or update was issued. Many product updates and fixes do not require manual changes and, conversely, manual corrections may be done without accompanying product changes. Therefore, do not expect a one to one correspondence between product updates and manual updates.

First Edition..... Jun 1984..... A. 53.10

# DSN/RJE/3000 REMOTE JOB ENTRY 2780/3780 EMULATOR

SECTION

A

For official information about RJE refer to these IBM manuals:

- *Component Information for the IBM 3780 Data Communications Terminal (GA 27-3063)*
- *Component Description IBM 2780 Transmission Terminal (GA 27-3005)*

CONTENT	PAGE
RJE Command.....	A-2
DSN/RJE Subsystem Commands.....	A-4
Space Compression.....	A-12
Transparency.....	A-12
Carriage Control.....	A-13
Component Selection.....	A-13
Special Forms.....	A-14
2780/3780 Comparison.....	A-15
Timeouts.....	A-16
DSN/RJE Errors.....	A-18
DSN/RJE Communications Line Specifications.....	A-19
JES2 Commands.....	A-21
JES3 Commands.....	A-27

DSN/RJE

## RJE COMMAND

### DSN/RJE - HP 30130E

Driver	Interface Board
SSLC	CSSBSCO 30055A
INP	IOINPO 30010A, Series II,III
	30020A/B, Series 30, 33, 40, 44, 64

### Capability Requirements

Account CS, OP for Programmatic Control  
Group  
User CS, OP for Programmatic Control

:RJE

:RJE [command file][,[input file][,[list file][,[punch file]]]

command file RJE<sub>COM</sub> Default: \$STDINX  
File or device containing DSN/RJE commands  
FOPTIONS %2054 if unspecified.  
FOPTIONS %7 if user-specified.  
AOPTIONS %0

input file RJE<sub>IN</sub> Default: \$STDIN  
File or device containing input data to be transmitted to remote computer  
FOPTIONS %2054 if unspecified.  
FOPTIONS %7 if user-specified.  
AOPTIONS %0

list or out file RJE<sub>LIST</sub> Default: \$STDLIST  
File or device to which list output from remote computer is routed.  
FOPTIONS %2514 if unspecified.  
FOPTIONS %507 if user-specified file.  
FOPTIONS %504 if user-specified device.  
AOPTIONS %1

punch file RJE<sub>PUNCH</sub> Default: \$OLDPASS  
File or device to which punch output from the remote computer is routed.  
FOPTIONS %2132 if unspecified.  
FOPTIONS %3 if user-specified.  
AOPTIONS %102

Use for routed output with #RJE<sub>OUT</sub> with no file, device, or procedure specified.

If opened for #RJPUNCH command:  
FOPTIONS %3 if a file is specified.  
FOPTIONS %0 if a device is specified.  
AOPTIONS %102  
File code = 1060, which shows up as RJEPN when :LISTF ,1

source file

Used when you want to look at the contents of source file and stay within RJE, using either #RJLIST or #RJPUNCH followed by the option ;SOURCE=source file.  
FOPTIONS %7  
AOPTIONS not passed.

message file

In group and account MSG.RJE, typically,

:BUILD message file name;REC=-36,,V,ASCII;DISC=100;MSG.

Used in MSGFILE parameter of RJLINE, with OP capability.  
A user program to write to message file name opens with  
FOPTIONS %32105  
AOPTIONS %1203

## DSN/RJE SUBSYSTEM COMMANDS

**#RJLINE**

Defines communication link. This must be the first subsystem command unless RJLIST or RJPUNCH is used with SOURCE.

```
#RJLINE {2780|3780}
[;LINECODE={ASCII|EBCDIC}] The default is ASCII.
                             If the communications controller is
                             an INP and it is to be used in
                             EBCDIC the LINECODE must be passed
                             explicitly.
[;CONNECT={DIAL[, {telephone number} {selection signals} {DIRECT}}]
                             {ANSWER} ]
                             The default is DIAL.
[;MAXRPB=blocking factor]
```

Default  
Values:

	Transparent	
	Yes	No
2780	4	7
3780	6	255

```
[;ID=local terminal identification]
[;RIN=rin number,rin password]
[;CHNL3=printer channel number] The default is 8, the single
                                space VFU position.
[;XEND] Ignore DLE EOT sequence.
[;TRACE=ON,[ALL],[mask],[numentries],[WRAP],[trace file name]]
```

**Default values:**

Trace errors only, not ALL; mask = %37 (See Section I);  
numentries = 24; linear trace file use, not WRAP;  
trace file name = RJETRCEn|RJETRCnn|RJETRnnn in the  
log on group and account, where 'n' is the logical device  
number of the communications line.

```
[(;DEV={logical device number}{class name} ) Default is RJLINE.
 {;NODE={logical node name} ]
[;LOCK={YES|NO}] Locks stack, or allows its memory management.
[;PRI={HIGH|NORMAL}] HIGH is 150, otherwise job or session
priority.
[;QUEUE TIME=[m][,s]]
```

[;MSGFILE=message file name] The file must reside in MSG.RJE.

Typically, :BUILD message file name;REC=-36,,V;ASCII;MSG;DISC=100

OP capability is required to use MSGFILE.

**#RJIN**

Initiates transmission of input data set to the remote computer.

```
#RJIN [input file|@procedure name[(G|P|S)]]
[;REC=[starting record number][,ending record number]]
    This is for disc files only. The first record is 0.
[;COMPRESS={YES|NO}] Default for 2780 is NO, for 3780 is YES.
[;XPARENT={YES|NO}] Default is NO. Sends transparent text.
[;TRUNCATE={YES|NO}] Default is YES, for trailing blanks.
[;INCODE={ASCII|EBCDIC|BINARY}] Default is ASCII.
    When INCODE and LINECODE are a combination of ASCII and
    EBCDIC, the appropriate conversion of data is provided.
    When INCODE is BINARY data is left unconverted.
[;MAXSIZE=nnn] Extends 80-byte input limit to -256<nnn<128
    bytes or words. For remote to remote use.
[;XEOF] Ignore end of file errors. Useful for magnetic tape
    input.
```

**#RJOUT**

Initiates receipt of routed output data sets from remote computer.

```
#RJOUT [output file|@procedure name[(G|P|S)]][,data set count]
[;WAIT=[minutes][,seconds]] Default value: 3 minutes.
    Maximum value: 32767 seconds.
    Zero value: Indefinite in session.
[;OUTCODE={ASCII|EBCDIC|BINARY}]
    When OUTCODE and LINECODE are a combination of ASCII and
    EBCDIC, the appropriate conversion of data is provided.
    When OUTCODE is BINARY data is left unconverted.
[;OUTSIZE=nnn] Extends 80-byte output limit to -256<nnn<128
    bytes or words. For remote to remote use.
[;REPEAT={YES|NO}]
[;INTERRUPT={YES|NO}]
```

#RJLIST

Initiates receipt of unrouted output, and routed output to list file from the remote computer, or initiates offline list from the source file.

#RJLIST [list file|@procedure name[(G|P|{S})]][,data set count \*]  
[;WAIT=[minutes][,seconds]] \* Default value: 3 minutes.  
Maximum value: 32767 seconds.  
Zero value: Indefinite in session.

[;SOURCE=source file] When this option is used the source file is copied to the list file. The WAIT, OUTCODE, and AUTOPAGE parameters are prohibited.

[;OUTCODE=ASCII|EBCDIC|BINARY]] \*  
When OUTCODE and LINECODE are a combination of ASCII and EBCDIC, the appropriate conversion of data is provided.  
When OUTCODE is BINARY data is left unconverted.

[;OUTSIZE=nnn] \* Extends 80-byte output limit to -256<nnn<128 bytes or words. For remote to remote use.

[;FORMSMMSG=message.] Prompts operator for a forms message when printing an output spool file. The message must end with a period.

[;AUTOPAGE={YES|NO}] \* Allows automatic page eject to coincide with page separation perforation.

\* This parameter has no meaning when the SOURCE parameter is used.

#RJPUNCH

Initiates receipt of unrouted output, and routed output to punch file from the remote computer, or initiates offline punch from the source file. #RJPUNCH does not insert control functions, and is useful for transferring binary files.

```
#RJPUNCH [punch file|@procedure name[(G|P|{S})]][,count * ]
[;WAIT=[minutes][,seconds]] * Default value: 3 minutes.
                                Maximum value: 32767 seconds.
                                Zero value: Indefinite in session.
[;SOURCE=source file]          When this option is used the
                                source file is copied to the
                                punch file. The WAIT, OUTCODE,
                                and AUTOPAGE parameters are
                                prohibited.
[;OUTCODE={ASCII|EBCDIC|BINARY}] *
                                When OUTCODE and LINECODE are a combination of ASCII and
                                EBCDIC, the appropriate conversion of data is provided.
                                When OUTCODE is BINARY data is left unconverted.
[;OUTSIZE=nnn] *               Extends 80-byte output limit to -256<nnn<128
                                bytes or words. For remote to remote use.
```

\* This parameter has no meaning when the SOURCE parameter is used.

#RJEOD

Terminates the #RJIN buffer and sends EOT to remote computer. #RJEOD provides End of File.

#RJEND

Generates a block of performance statistical information and then terminates DSN/RJE Subsystem.

#RJIO message or #<special character>message

Equivalent to #RJIN followed by #RJOUT. Useful for sending job entry system commands or other job control language. Not required in session mode where '/\*\$DA' type commands are appropriate.

#RJINFO

Initiates communications line information display to \$STDLIST. See Section I of Handbook for the format of this display.

#RJDEBUG

Sets DSN/RJE into 'debug' mode to allow the user to access the debugging facility. Used to test user-written input and output procedures.

#RJCOMMENT

Provides a way to explain a subsystem command stream in the same file as the commands.

#RJCOMMENT [message string]

CONTROL-Y

Breaks a subsystem command in a session.

- RJOUT, RJLIST, RJPUNCH: Data sets in process will complete.
- RJIN: If no file specified, terminates input.
- RJCMDFILE: Interruptable commands will be interrupted, and control will return to the session console.
- Programmatic Control: RJOUT with repeat or interrupt set YES returns control to the session terminal. Commands from a command file referenced in a message file will conclude execution, after which control returns to the session terminal.
- Error situations: If a CONTROL-Y is entered before a data set is received or before all commands in a command file are executed, then control is returned to the session terminal.
- Other: During programmatic control mode without either error recovery or data received or user command files in execution, control is returned to the session terminal.

In order to return to programmatic control mode an RJOUT command with interrupt or repeat set YES must be entered.

The only response message issued by the subsystem is the prompt character, "#".

#RJCMDFILE

Causes DSN/RJE to stop processing subsystem commands from its current source, and to begin processing subsystem commands from a new source.

#RJCMDFILE command file reference

The command file reference in this subsystem command may be any of the following:

logical device number  
 "device class name"  
 actual file designator  
 \*formal file designator

The default value is \$STDINX.

#RJCONTINUE

Identifies user procedure to handle DSN/RJE detected errors.

#RJCONTINUE @procname[(G|P|S)]

The user-written procedure must adhere to this SPL specification:

```
PROCEDURE procname (filenum,errors,comimage,newfname,action);
  INTEGER filenum,action; INTEGER ARRAY errors;
  BYTE ARRAY comimage,newfname;
```

errors(0)	errors(1)	errors(2)
0 = File System	0 = List File 1 = Punch File 2 = Out File 3 = Command File 4 = In File 5 = Source File 6 = Message File 7 = Statistic File	MPE File System Error Number.
1 = CS	0 = COPEN Intrinsic 1 = CREAD Intrinsic 2 = CWRITE Intrinsic	CS Error Number. (0:8) = Recoverable (8:8) = Irrecoverable
2 = Line Error	0 = Not specified 1 = Unable to open any. 2 = NODE not in database. 3 = Database access error. 4 = Database intrinsic error. 5 = DEV or NODE mapping error.	-1, Not used.
3 = RIN Error	0 = Invalid RIN value	-1, Not used.
4 = Procedure Error	1 = Invalid Procedure Identification	-1, Not used.
5 = Command Error	0 = Invalid Command 1 = Invalid Command Length 2 = Invalid Number of Parameters	-1, Not used.
6 = Routing	0 = Routed list output data set received when not expected. 1 = Routed punch output data set received when not expected.	-1, Not used.
7 = Syntax Error	0 = Invalid key word 1 = Duplicate key word 2 = Invalid construct. 3 = Invalid parameter. 4 = Invalid numeric parmeter. 5 = Parameter required.	Byte position of the command string error.

**#RJSTAT**

Provides statistical information on frequency of subsystem command use, elapsed times, and tallies of data sets transmitted and received. This information is displayed on \$STDLIST, or to a statistic file reference specified by the user.

#RJSTAT [statistic file reference]

statistic file reference is any of the following:

logical device number	
"device class name"	
actual file designator	See DSN/RJE Reference Manual
*formal file designator	for file characteristics.
@procedurename[ <u>(G)</u>	See the following comments.
<u>(P)</u>	
<u>(S)</u> ]	

When "G" is specified, the segmented library files, SL's, are searched in the following order: Group, Account Public, System. When "P" is specified, the segmented library files, SL's, are searched in the following order: Account Public, System. When "S" is specified or the parameter omitted, the system segmented library file, SL.PUB.SYS, is searched.

If the statistic file reference is present, all output received will be passed as list output to that file or device.

If a user-supplied procedure is specified, it must adhere to the following formal declaration:

```
PROCEDURE procedurename(target,count)
VALUE count;
INTEGER count;
ARRAY target;
```

## SPACE COMPRESSION

Operational in 3780 with non-transparent mode.

Each group of two or more consecutive blanks, up to 63, are replaced by an EBCDIC IGS or an ASCII GS character followed by the space count. This is %100 plus the number of space characters.

## TRANSPARENCY

Treats all data as binary, allowing all 256-bit combinations.

Requires DLE STX at the beginning of each transparent record. A DLE precedes any valid data-link control character. With no preceding DLE character, the binary representation is considered to be data. The exception to this rule is DLE itself; a binary byte equivalent to DLE must be preceded by a DLE in order to be considered data.

In transparent mode, each record is normally terminated with an ETB instead of IRS.

## CARRIAGE CONTROL

### Carriage Control 2780/3780

A two-character escape sequence, the first two characters of a record, are the carriage control for a line printer.

2780	3780	ASCII	EBCDIC	Carriage Operation
*	*	ESC Q	ESC /	Single Space
*	*	ESC R	ESC S	Double Space
*	*	ESC S	ESC T	Triple Space
*	*	ESC A	ESC A	Skip to Channel 1, Form Feed
*	*	ESC B	ESC B	Skip to Channel 2, Vertical Tab
*	*	ESC C	ESC C	Skip to Channel 3
*	*	ESC D	ESC D	Skip to Channel 4
*	*	ESC E	ESC E	Skip to Channel 5
*	*	ESC F	ESC F	Skip to Channel 6
*	*	ESC G	ESC G	Skip to Channel 7
*	*	ESC H	ESC H	Skip to Channel 8
	*	ESC I	ESC I	Skip to Channel 9
	*	ESC J	ESC J	Skip to Channel 10
	*	ESC K	ESC K	Skip to Channel 11
	*	ESC L	ESC L	Skip to Channel 12
	*	ESC M	ESC M	Suppress Space

Note: These channels must be configured on the line printer to be functional.

The carriage action required by the escape character sequence is only executed once a NL (new line) or IRS (inter-record separator) character has been received and has caused a print cycle.

## COMPONENT SELECTION

Provides automatic routing between list and punch output files.

The component selection character must be the first text character of the first block of text following an ENQ and ACK0, or the first block of a conversational reply, or the first block following an ETX block.

3780 EMULATOR:

Character	File
DC1	List
DC2 or DC3	Punch

2780 EMULATOR:

ESC followed by any carriage control character specifies the printer.

ESC followed by a '4' specifies the punch.

DSN/RJE

## SPECIAL FORMS

The use of special forms is accomplished by the capabilities of the HASP, ASP, or JES system of the host computer, and by the spooler subsystem of the HP 3000.

The job on the host may include an output statement to a device, such as: WRITE (7,1020) X, Y, Z.

The JCL can define this device with a forms parameter. Actual JCL is installation-dependent.

```
//STP7.FT07001 DD SYSOUT=(C,,C325)
//                               DCB=(RECFM=UA,BKSIZE=133,LRECL=133)
```

A HASP system indicates the special forms this way:

```
##*$DF
$19.50.19 OUT 30 F=C325 C=6 T=**** CLS C=1
```

The output to the special form is selected by operator-controlled mode:

```
##*$T RM30.PR1,F=C325,Q=C
$19.52.27 OK
```

The output file is then transmitted to the HP 3000 with a forms message such as:

```
#RJLIST *LP;FORMSMMSG=C325.
```

Upon receipt of the data set, the spooler prompts the operator for mounting the form, and for forms alignment.

```
20:18/J189/14/FORMS: C325
?20:18/J189/14/SP #6 IS #101; LP ON LDEV #6 (Y/N)?
:REPLY 14,Y
?20:22/J189/14/LDEV #6 FORMS ALIGNED OK ? (Y/N)?
:REPLY 14,Y
```

## 2780/3780 COMPARISON

The following describes real 2780/3780 equipment:

- Half duplex protocol on point-to-point 2-wire or 4-wire leased or switched networks.
- Support of ASCII or EBCDIC codes:  
ASCII, odd VRC and 8-bit LRC; EBCDIC, 16-bit CRC.
- Horizontal or vertical tabulation.

Feature	2780	3780
Buffer Size	400 bytes	512 bytes
Short record truncation	Yes, but supply EM	Yes, automatic
Blank compression	No	Yes, automatic
Maximum block factor	2, option 7	Non-transparent, 216 Transparent 1, option 6
Generate WACK, TTD	No	Yes
Intermediate Block Terminator, logical record separator	US BCC ASCII IUS BCC EBCDIC	RS no BCC IRS no BCC Will accept IUS BCC
Component Selection Printer	DC1	ESC x x = control
Punch	DC2/DC3	ESC 4
SOH	Not recognized	Treated as STX



**QUEUE TIMEOUT:**

Queue timeout is the time DSN/RJE is to queue on an X.21 connection attempt.

## DSN/RJE ERRORS

### DSN/RJE Error Message Structure

\*\*\* CS ERROR x,yyy,zz \*\*\*

x=0 Line open  
x=1 Line read  
x=2 Line write  
yyy Irrecoverable CS error. See Section 4 of Handbook  
zz Recoverable CS error. See Section 4 of Handbook

\*\*\* LINE ERROR x \*\*\*

x=0 Line not yet established.  
x=1 Unable to open any of the DEV or NODE parameters specified.  
x=2 The DEV or NODE parameter specified was absent.  
x=3 The network configuration database could not be closed successfully after all access completed.  
x=4 A fatal network intrinsic error occurred while accessing the network configuration data base.  
x=5 Unable to map the DEV or NODE parameter specified to any configured communications device.

\*\*\* PROCEDURE ERROR xx \*\*\*

An error has occurred in the use of a user-written procedure in an RJOUT, RJLIST, RJPUNCH, or RJIN subsystem command. The error itself is a Loader Error, and is described in the MPE Intrinsic Reference Manual.

\*\*\* COMMAND FILE ERROR x,yy  
\*\*\* INPUT FILE ERROR x,yy  
\*\*\* LIST FILE ERROR x,yy  
\*\*\* MESSAGE FILE ERROR x,yy  
\*\*\* PUNCH FILE ERROR x,yy  
\*\*\* OUT FILE ERROR x,yy  
\*\*\* SOURCE FILE ERROR x,yy  
\*\*\* STATISTIC FILE ERROR x,yy

x=0 FOPEN error  
x=1 FCLOSE error  
x=2 FREAD or FWRITE error  
x=3 Insufficient file space  
yy File system error number. See Section 4 of Handbook.





## JES2 COMMANDS

Command	Parameters
<b>\$A</b> <b>Release</b>	$\left( \begin{array}{l} A \\ Q[\text{classes}] \\ \left\{ \begin{array}{l} Jn \text{ [-n]} \\ \text{'jobname' } \\ Sn \text{ [-n]} \\ Tn \text{ [-n]} \end{array} \right\} \left\{ \begin{array}{l} Jn \text{ [-n]} \\ \text{'jobname' } \\ Sn \text{ [-n]} \\ Tn \text{ [-n]} \end{array} \right\} \dots \end{array} \right)$
<b>\$B</b> <b>Backspace</b>	$\left( \begin{array}{l} \left\{ \begin{array}{l} PRTn \text{ } \\ Rn,PRn \end{array} \right\} \left\{ \begin{array}{l} n \\ ,D \end{array} \right\} \left[ \begin{array}{l} PRTn \text{ } \\ Rn,PRn \end{array} \right] \left\{ \begin{array}{l} n \\ ,D \end{array} \right\} \dots \end{array} \right)$ $\left( \begin{array}{l} \left\{ \begin{array}{l} PUNn \text{ } \\ Rn,PUn \end{array} \right\} \left\{ \begin{array}{l} n \\ ,D \end{array} \right\} \left[ \begin{array}{l} PUNn \text{ } \\ Rn,PUn \end{array} \right] \left\{ \begin{array}{l} n \\ ,D \end{array} \right\} \dots \end{array} \right)$
<b>\$C</b> <b>Cancel</b>	$\left( \begin{array}{l} A \\ \left\{ \begin{array}{l} RDRn \text{ } \\ Rn,RDn \end{array} \right\} \left[ \begin{array}{l} RDRn \text{ } \\ Rn,RDn \end{array} \right] \dots \\ \left\{ \begin{array}{l} PUNn \text{ } \\ Rn,PUn \end{array} \right\} \left[ \begin{array}{l} PUNn \text{ } \\ Rn,PUn \end{array} \right] \dots \\ \left\{ \begin{array}{l} PRTn \text{ } \\ Rn,PRn \end{array} \right\} \left[ \begin{array}{l} PRTn \text{ } \\ Rn,PRn \end{array} \right] \dots \\ \left( \begin{array}{l} Jn \text{ [-n]} \\ \text{'jobname' } \\ Sn \text{ [-n]} \\ Tn \text{ [-n]} \end{array} \right) \left[ \begin{array}{l} ,D \\ ,P \end{array} \right] \end{array} \right)$

Command	Parameters
<p><b>SD</b> Display</p>	$\left\{ \begin{array}{l} I [n \text{ [-n]}] \\ Mn [n \text{ [-n]}] \text{ ,message' } \\ 0 \\ A \left\{ \begin{array}{l} \text{.XEQ} \\ \text{.DEV} \\ \text{.JOB} \\ \text{.STC} \\ \text{.TSU} \end{array} \right\} \left\{ \begin{array}{l} \text{.XEQ} \\ \text{.DEV} \\ \text{.JOB} \\ \text{.STC} \\ \text{.TSU} \end{array} \right\} \dots \\ F [n \text{ [-n]}] \left\{ \begin{array}{l} \text{.Jn} \text{ [-n]} \\ \text{.Sn} \text{ [-n]} \\ \text{.Tn} \text{ [-n]} \end{array} \right\} \left\{ \begin{array}{l} \text{.H} \\ \text{.A} \end{array} \right\} \\ \left\{ \begin{array}{l} \text{.Jn} \text{ [-n]} \\ \text{.Sn} \text{ [-n]} \\ \text{.Tn} \text{ [-n]} \end{array} \right\} \left\{ \begin{array}{l} \text{.Jn} \text{ [-n]} \\ \text{.Sn} \text{ [-n]} \\ \text{.Tn} \text{ [-n]} \end{array} \right\} \dots \\ \text{'jobname'} \\ \left\{ \begin{array}{l} Q \\ N \end{array} \right\} [n \text{ [-n]}] \left\{ \begin{array}{l} \text{XEQ, } \left\{ \begin{array}{l} \text{class} \\ \text{STC} \\ \text{TSU} \end{array} \right\} \\ \text{OUT} \\ \text{HOLD} \end{array} \right\} \\ U \left\{ \begin{array}{l} \text{ALL} \\ \text{.LNEn} \\ \text{.LNES} \\ \text{.PRTS} \\ \text{.PUNS} \\ \text{.RMTS} \\ \text{.RMTn} \\ \text{.RDRs} \\ \text{.RDI} \\ \text{device [device] } \dots \end{array} \right\} \end{array} \right\} \left[ L = \left\{ \begin{array}{l} a \\ cc \\ cca \end{array} \right\} \right]$
<p><b>SE</b> Restart</p>	$\left\{ \begin{array}{l} \text{LNEn} \text{ [,LNEn] } \dots \\ \text{Jn} \text{ [-n]} \text{ [,Jn [-n]] } \dots \\ \text{'jobname'} \\ \left\{ \begin{array}{l} \text{PRTn} \\ \text{Rn,PRn} \end{array} \right\} \left\{ \begin{array}{l} \text{PRTn} \\ \text{Rn,PRn} \end{array} \right\} \dots \\ \left\{ \begin{array}{l} \text{PUNn} \\ \text{Rn,PUUn} \end{array} \right\} \left\{ \begin{array}{l} \text{PUNn} \\ \text{Rn,PUUn} \end{array} \right\} \dots \end{array} \right\}$
<p><b>SF</b> Forward space</p>	$\left\{ \begin{array}{l} \left\{ \begin{array}{l} \text{PRTn} \\ \text{Rn,PRn} \end{array} \right\} \left\{ \begin{array}{l} \text{.n} \\ \text{D} \end{array} \right\} \left[ \begin{array}{l} \text{PRTn} \\ \text{Rn,PRn} \end{array} \right] \left\{ \begin{array}{l} \text{.n} \\ \text{D} \end{array} \right\} \dots \\ \left\{ \begin{array}{l} \text{PUNn} \\ \text{Rn,PUUn} \end{array} \right\} \left\{ \begin{array}{l} \text{.n} \\ \text{D} \end{array} \right\} \left[ \begin{array}{l} \text{PUNn} \\ \text{Rn,PUUn} \end{array} \right] \left\{ \begin{array}{l} \text{.n} \\ \text{D} \end{array} \right\} \dots \end{array} \right\}$

Command	Parameters
<b>\$H</b> Hold	$\left\{ \begin{array}{l} A \\ Q[,classes] \\ \left\{ \begin{array}{l} Jn [-n] \\ Sn [-n] \\ Tn [-n] \end{array} \right\} \left\{ \begin{array}{l} ,Jn [-n] \\ ,Sn [-n] \\ ,Tn [-n] \end{array} \right\} \dots \end{array} \right\}$ 'jobname'
<b>\$I</b> Interrupt	$\left\{ \begin{array}{l} \left\{ \begin{array}{l} PRTn \\ Rn.PRn \end{array} \right\} \left\{ \begin{array}{l} ,PRTn \\ ,Rn.PRn \end{array} \right\} \dots \\ \left\{ \begin{array}{l} PUNn \\ Rn.PUn \end{array} \right\} \left\{ \begin{array}{l} ,PUNn \\ ,Rn.PUn \end{array} \right\} \dots \end{array} \right\}$
<b>\$L</b> List output	$\left\{ \begin{array}{l} \left\{ \begin{array}{l} Jn [-n] \\ Sn [-n] \\ Tn [-n] \end{array} \right\} \left\{ \begin{array}{l} ,Jn [-n] \\ ,Sn [-n] \\ ,Tn [-n] \end{array} \right\} \dots \\ \left[ ,L= \left\{ \begin{array}{l} a \\ cc \\ cca \end{array} \right\} \right] \end{array} \right\}$ 'jobname'
<b>\$N</b> Repeat	$\left\{ \begin{array}{l} \left\{ \begin{array}{l} PRTn \\ Rn.PRn \end{array} \right\} \left\{ \begin{array}{l} ,PRTn \\ ,Rn.PRn \end{array} \right\} \dots \\ \left\{ \begin{array}{l} PUNn \\ Rn.PUn \end{array} \right\} \left\{ \begin{array}{l} ,PUNn \\ ,Rn.PUn \end{array} \right\} \dots \end{array} \right\}$
<b>\$O</b> Output	$\left\{ \begin{array}{l} Jn [-n] \\ 'jobname' \\ Sn [-n] \\ Tn [-n] \end{array} \right\} \left\{ \begin{array}{l} ,Q=classes \\ ,C \\ ,Rn \\ ,LOCAL \end{array} \right\} \dots$
<b>\$P</b> Stop after current function	$\left[ \begin{array}{l} JES2 \\ I[n [-n]] \\ LNE n[,LNE n] \dots \\ \left\{ \begin{array}{l} PRTn \\ Rn.PRn \end{array} \right\} \left\{ \begin{array}{l} ,PRTn \\ ,Rn.PRn \end{array} \right\} \dots \\ \left\{ \begin{array}{l} PUNn \\ Rn.PUn \end{array} \right\} \left\{ \begin{array}{l} ,PUNn \\ ,Rn.PUn \end{array} \right\} \dots \\ \left\{ \begin{array}{l} RDRn \\ Rn.RDn \end{array} \right\} \left\{ \begin{array}{l} ,RDRn \\ ,Rn.RDn \end{array} \right\} \dots \\ \left\{ \begin{array}{l} Jn [-n] \\ Sn [-n] \\ Tn [-n] \end{array} \right\} \left\{ \begin{array}{l} ,Jn [-n] \\ ,Sn [-n] \\ ,Tn [-n] \end{array} \right\} \dots \\ 'jobname' \end{array} \right]$

Command	Parameters												
<p>\$R Route Output</p>	$\left\{ \begin{array}{l} \text{ALL,for-id,to-id [ ,Q=classes ]} \\ \text{\{PRT\ ,for-id,to-id} \\ \text{\{PUN\} } \end{array} \right\}$ <p>where <i>for-id</i> is:            <i>to-id</i> is:</p> <table style="margin-left: 40px;"> <tr> <td>Jn</td> <td>LOCAL</td> </tr> <tr> <td>Sn</td> <td>Rn</td> </tr> <tr> <td>Tn</td> <td>devicename</td> </tr> <tr> <td>LOCAL</td> <td></td> </tr> <tr> <td>RMTn</td> <td></td> </tr> <tr> <td>devicename</td> <td></td> </tr> </table>	Jn	LOCAL	Sn	Rn	Tn	devicename	LOCAL		RMTn		devicename	
Jn	LOCAL												
Sn	Rn												
Tn	devicename												
LOCAL													
RMTn													
devicename													
<p>\$S Start</p>	$\left[ \begin{array}{l} \text{A} \\ \text{LNEn [ ,LNEn ] ...} \\ \text{I [ n [-n] ]} \\ \text{\{PRTn\ [ ,PRTn ] ...} \\ \text{\{Rn.PRn\ [ ,Rn.PRn ] ...} \\ \text{\{RDRn\ [ ,RDRn ] ...} \\ \text{\{Rn.RDn\ [ ,Rn.RDn ] ...} \\ \text{\{PUNn\ [ ,PUNn ] ...} \\ \text{\{Rn.PUn\ [ ,Rn.PUn ] ...} \end{array} \right]$												

Command	Parameters
<p>\$T Set</p>	$\left( \begin{array}{l} \left\{ \begin{array}{l} \text{Jn} \\ \text{Sn} \\ \text{Tn} \end{array} \right\} \left[ \begin{array}{l} \text{,P= } \left\{ \begin{array}{l} n \\ +n \\ -n \end{array} \right\} \\ \text{,C=classes} \end{array} \right] \\ \\ \left\{ \begin{array}{l} \text{'jobname'} \\ \text{,C=class} \end{array} \right\} \left[ \begin{array}{l} \text{,P= } \left\{ \begin{array}{l} n \\ +n \\ -n \end{array} \right\} \\ \text{,C=class} \end{array} \right] \\ \\ \text{Acccc,CANCEL} \\ \text{A [cccc] } \left[ \begin{array}{l} \text{,I=ssss} \\ \text{,T=hh,mm} \end{array} \right] \left\{ \text{'S'} \right\} \text{command [,command] ... } \left[ \begin{array}{l} \text{,L= } \left\{ \begin{array}{l} a \\ cc \\ cca \end{array} \right\} \end{array} \right] \\ \\ \text{LNE n,P= [password] } \left[ \begin{array}{l} \text{,E= } \left\{ \begin{array}{l} Y \\ N \end{array} \right\} \end{array} \right] \\ \text{I [n [-n] ] ,classes} \\ \text{C,msglevel,rtcode [,rtcode] ...} \\ \\ \left\{ \begin{array}{l} \text{OSCn} \\ \text{Rn,CON} \end{array} \right\} \left[ \begin{array}{l} \text{,D= } \left\{ \begin{array}{l} T \\ J \\ M \end{array} \right\} \end{array} \right] \\ \\ \text{M } \left[ \begin{array}{l} a \\ cc \\ cca \end{array} \right] \left[ \text{, [operand...]} \right] \left[ \begin{array}{l} \text{,L= } \left\{ \begin{array}{l} a \\ cc \\ cca \end{array} \right\} \end{array} \right] \\ \\ \left\{ \begin{array}{l} \text{PRTn} \\ \text{Rn,PRn} \end{array} \right\} \left[ \begin{array}{l} \left[ \begin{array}{l} \text{,P= } \left\{ \begin{array}{l} Y \\ N \end{array} \right\} \right] \left[ \begin{array}{l} \text{,K= } \left\{ \begin{array}{l} 1 \\ 2 \\ 3 \\ R \end{array} \right\} \right] \left[ \begin{array}{l} \text{,S= } \left\{ \begin{array}{l} Y \\ N \end{array} \right\} \right] \\ \text{,C=id} \left[ \text{,T=id} \right] \left[ \text{,F=form} \right] \left[ \text{,F=AUTOM} \right] \\ \text{,QUEUE=classes} \end{array} \right] \\ \\ \left\{ \begin{array}{l} \text{PUNn} \\ \text{Rn,PUn} \end{array} \right\} \left[ \begin{array}{l} \left[ \begin{array}{l} \text{,P= } \left\{ \begin{array}{l} Y \\ N \end{array} \right\} \right] \left[ \begin{array}{l} \text{,S= } \left\{ \begin{array}{l} Y \\ N \end{array} \right\} \right] \left[ \text{,F=form} \right] \left[ \text{,F=AUTOM} \right] \\ \text{,QUEUE=classes} \end{array} \right] \\ \\ \left\{ \begin{array}{l} \text{RDRn} \\ \text{Rn,RDn} \\ \text{RDI} \end{array} \right\} \left[ \begin{array}{l} \text{,A=n} \\ \text{,H} \\ \text{,R} \\ \text{,C=class} \left[ \text{,Q=class} \right] \end{array} \right] \end{array} \right)$
<p>SV</p>	<p>S,'command' [, 'command' ] ...</p>

Command	Parameters
<p>\$Z Halt</p>	$\left( \begin{array}{l} A \\ I [ n \text{ } [-n] ] \\ \left. \begin{array}{l} \text{PRTn} \\ \text{Rn,PRn} \end{array} \right\} \left\{ \begin{array}{l} \text{,PRTn} \\ \text{,Rn,PRn} \end{array} \right\} \dots \\ \left. \begin{array}{l} \text{RDRn} \\ \text{Rn,RDn} \end{array} \right\} \left\{ \begin{array}{l} \text{,RDRn} \\ \text{,Rn,RDn} \end{array} \right\} \dots \\ \left. \begin{array}{l} \text{PUNn} \\ \text{Rn,PUn} \end{array} \right\} \left\{ \begin{array}{l} \text{,PUNn} \\ \text{,Rn,PUn} \end{array} \right\} \dots \end{array} \right)$

**JES3 COMMANDS**

Selected JES3 Commands

Command	Parameters
<p>*I *INQUIRY</p>	<p>,S ,D=dspname ,H  ,C=cls                   10 *I.Q           ,G=grp                   ,N=   nnn                   ,J=jobno                    ALL                    device group ,T=                   termgrp  ,blank</p>
<p>*F *MODIFY</p>	<p>,H ,R *F,j=jobno ,C ,CP ,P=prty</p>
<p>*V *VARY</p>	<p>(dev,...) (dev adr....) dev adr—dev adr           ONLINE control—unit X           ON *V   main                   OFFLINE           [,main]       ALL                   OFF       lanme                  CONSOLE       SDGXX       mssname</p>



# READER COMMENT SHEET

HP 3000 Computer Systems

RJE/3000  
Quick Reference

30248-90006 June 1984

We welcome your evaluation of this manual. Your comments and suggestions help us to improve our publications. Please explain your answers under Comments, below, and use additional pages if necessary.

Is this manual technically accurate?

Yes  No

Are the concepts and wording easy to understand?

Yes  No

Is the format of this manual convenient in size, arrangement, and readability?

Yes  No

Comments:

This form requires no postage stamp if mailed in the U.S. For locations outside the U.S., your local HP representative will ensure that your comments are forwarded.

**FROM:**

**Date** \_\_\_\_\_

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FOLD

FOLD



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

**BUSINESS REPLY MAIL**

FIRST CLASS PERMIT NO. 1070 CUPERTINO, CA

POSTAGE WILL BE PAID BY ADDRESSEE

Publications Manager  
Hewlett-Packard Company  
Information Networks Division  
19420 Homestead Road  
Cupertino, CA 95014



FOLD

FOLD

# SALES & SUPPORT OFFICES

Arranged alphabetically by country

1



## Product Line Sales/Support Key

### Key Product Line

- A Analytical
- CM Components
- C Computer Systems
- E Electronic Instruments & Measurement Systems
- M Medical Products
- P Personal Computation Products
  - \* Sales only for specific product line
  - \*\* Support only for specific product line

**IMPORTANT:** These symbols designate general product line capability. They do not insure sales or support availability for all products within a line, at all locations. Contact your local sales office for information regarding locations where HP support is available for specific products.

## HEADQUARTERS OFFICES

If there is no sales office listed for your area, contact one of these headquarters offices.

### NORTH/CENTRAL AFRICA

Hewlett-Packard S.A.  
7, rue du Bois-du-Lan  
CH-1217 MEYRIN 1, Switzerland  
Tel: (022) 83 12 12  
Telex: 27835 hmea  
Cable: HEWPACKSA Geneve

### ASIA

Hewlett-Packard Asia Ltd.  
47/F, 26 Harbour Rd.,  
Wanchai, HONG KONG  
G.P.O. Box 863, Hong Kong  
Tel: 5-8330833  
Telex: 76793 HPA HX  
Cable: HPASIAL TD

### CANADA

Hewlett-Packard (Canada) Ltd.  
6277 Goreway Drive  
MISSISSAUGA, Ontario L4V 1M8  
Tel: (416) 678-9430  
Telex: 069-9844

### EASTERN EUROPE

Hewlett-Packard Ges.m.b.h.  
Liebigasse 1  
P.O. Box 72  
A-1222 VIENNA, Austria  
Tel: (222) 2500-0  
Telex: 13 4425 HEPA A

### NORTHERN EUROPE

Hewlett-Packard S.A.  
V. D. Hooplaan 241  
P.O. Box 999  
NL-1183 AG AMSTELVEEN  
The Netherlands  
Tel: 20 547999  
Telex: 18 919 hpner

### SOUTH EAST EUROPE

Hewlett-Packard S.A.  
World Trade Center  
110 Avenue Louis Casai  
1215 Cointrin, GENEVA, Switzerland  
Tel: (022) 98 96 51  
Telex: 27225 hpsr

### MEDITERRANEAN AND MIDDLE EAST

Hewlett-Packard S.A.  
Mediterranean and Middle East Operations  
Atrina Centre  
32 Kifissias Ave.  
Paradissos-Amarousion, ATHENS  
Greece  
Tel: 682 88 11  
Telex: 21-6588 HPAT GR  
Cable: HEWPACKSA Athens

### UNITED KINGDOM

Hewlett-Packard Ltd.  
Nine Mile Ride  
Easthamstead, WOKINGHAM  
Berkshire, RG11 3LL  
Tel: 0344 773100  
Telex: 848805

### EASTERN USA

Hewlett-Packard Co.  
4 Choke Cherry Road  
ROCKVILLE, MD 20850  
Tel: (301) 948-6370

### MIDWESTERN USA

Hewlett-Packard Co.  
5201 Tollview Drive  
ROLLING MEADOWS, IL 60008  
Tel: (312) 255-9800

### SOUTHERN USA

Hewlett-Packard Co.  
2000 South Park Place  
ATLANTA, GA 30339  
Tel: (404) 955-1500

### WESTERN USA

Hewlett-Packard Co.  
5161 Lankershim Blvd.  
NORTH HOLLYWOOD, CA 91601  
Tel: (818) 505-5600

### OTHER INTERNATIONAL AREAS

Hewlett-Packard Co.  
Intercontinental Headquarters  
3495 Deer Creek Road  
PALO ALTO, CA 94304  
Tel: (415) 857-1501  
Telex: 034-8300  
Cable: HEWPACK

## ALGERIA

Bureau de Liaison  
Hewlett-Packard Alger  
Villa des Lions  
9, Hai Galloul  
DZ-BORDJ EL BAHR  
Tel: 76 03 36  
Telex: 51260 dilondz

## ANGOLA

Telectra Angola LDA  
Empresa Técnica de Equipamentos  
Rua Barbosa Rodrigues, 41-1 DT.  
Caixa Postal 6487

## LUANDA

Tel: 35515,35516  
Telex: 3134  
E,P

## ARGENTINA

Hewlett-Packard Argentina S.A.  
Montaneses 2140/50  
1428 BUENOS AIRES  
Tel: 781-4059/69  
Cable: HEWPACKARG  
A,C,E,P  
Biotron S.A.C.I.M.e.I.  
Av. Paso Colon 221, Piso 9  
1399 BUENOS AIRES  
Tel: 541-333-490,  
541-322-587  
Telex: 17595 BIONAR

## M

Laboratorio Rodriguez  
Corswant S.R.L.  
Misiones, 1156 - 1876  
Bernal, Oeste  
BUENOS AIRES  
Tel: 252-3958, 252-4991  
A  
Argentina Esanco S.R.L.  
A/ASCO 2328  
1416 BUENOS AIRES  
Tel: 541-58-1981, 541-59-2767  
Telex: c/o 9400 HPARGENTINA  
A

## AUSTRALIA

### Adelaide, South Australia Office

Hewlett-Packard Australia Ltd.  
153 Greenhill Road  
PARKSIDE, S.A. 5083  
Tel: 272-5911  
Telex: 82536  
Cable: HEWPARD Adelaide  
A\*,C,M,E,P

### Brisbane, Queensland Office

Hewlett-Packard Australia Ltd.  
10 Payne Road  
THE GAP, Queensland 4061  
Tel: 30-4133  
Telex: 42133  
Cable: HEWPARD Brisbane  
A,C,M,E,M,P

## Canberra, Australia

### Capital Territory Office

Hewlett-Packard Australia Ltd.  
Thynne Street, Fern Hill Park  
BRUCE, A.C.T. 2617  
P.O. Box 257,  
JAMISON, A.C.T. 2614  
Tel: 51 6999  
Telex: 62650  
Cable: HEWPARD Canberra  
C,C,M,E,P

## Melbourne, Victoria

### Office

Hewlett-Packard Australia Ltd.  
31-41 Joseph Street  
P.O. Box 221  
BLACKBURN, Victoria 3130  
Tel: 895-2895  
Telex: 31-024  
Cable: HEWPARD Melbourne  
A,C,M,E,M,P

## Perth, Western Australia

### Office

Hewlett-Packard Australia Ltd.  
261 Stirling Highway  
CLAREMONT, W.A. 6010  
Tel: 383-2188  
Telex: 93659  
Cable: HEWPARD Perth  
C,C,M,E,P

## Sydney, New South

### Wales Office

Hewlett-Packard Australia Ltd.  
17-23 Talavera Road  
P.O. Box 308  
NORTH RYDE, N.S.W. 2113  
Tel: 888-4444  
Telex: 21561  
Cable: HEWPARD Sydney  
A,C,M,E,M,P

## AUSTRIA

### Hewlett-Packard Ges.m.b.h.

Verkaufsbuero Graz  
Grottenhofstrasse 94  
A-8052 GRAZ  
Tel: (0316) 28-30-66  
Telex: 312375  
C,E

### Hewlett-Packard Ges.m.b.h.

Liebigasse 1  
P.O. Box 72  
A-1222 VIENNA  
Tel: (0222) 2500-0  
Telex: 134425 HEPA A  
A,C,M,E,M,P

## BAHRAIN

### Green Salon

P.O. Box 557  
MANAMA  
Tel: 255503-250950  
Telex: 84419  
P

### Wael Pharmacy

P.O. Box 648

## MANAMA

Tel: 256123  
Telex: 8550 WAEI BN  
E,M



## SALES & SUPPORT OFFICES

Arranged alphabetically by country

### BAHRAIN (Cont'd)

Zayani Computer Systems  
218 Shaik Mubarak Building  
Government Avenue  
P.O. Box 5918

### MANAMA

Tel: 276278  
Telex: 9015 plans bn  
P

### BELGIUM

Hewlett-Packard Belgium S.A./N.V.

Blvd de la Woluwe, 100

Woluwedal

B-1200 BRUSSELS

Tel: (02) 762-32-00

Telex: 23-494 palobon bru

A,C,CM,E,M,P

### BERMUDA

Applied Computer Technologies

Atlantic House Building

Par-La-Ville Road

HAMILTON 5

Tel: 295-1816

Telex: 380 3589/ACT BA

P

### BOLIVIA

Arrellano Ltda

Av. 20 de Octubre #2125

Casilla 1383

### LA PAZ

Tel: 368541

M

### BRAZIL

Hewlett-Packard do Brasil

I.e.C. Ltda.

Alameda Rio Negro, 750

### ALPHAVILLE

06400 Barueri SP

Tel: (011) 421.1311

Telex: (011) 33872 HPBR-BR

Cable: HEWPACK Sao Paulo

A,C,CM,E,M,P

Hewlett-Packard do Brasil

I.e.C. Ltda.

Praia de Botafogo 228

6° Andar-conj 614

Edificio Argentina - Ala A

22250 RIO DE JANEIRO, RJ

Tel: (02) 552-6422

Telex: 21905 HPBR-BR

Cable: HEWPACK Rio de Janeiro

A,C,CM,E,P\*

Convex/Van Den

Rua Jose Bonifacio

458 Todos Os Santos

CEP 03771

RIO DE JANEIRO, RJ

Tel: 591-0197

Telex: 33487 EGLB BR

A

ANAMED I.C.E.I. Ltda.

Rua Bage, 103

04012 SAO PAULO, SP

Tel: (011) 572-6537

Telex: 24720 HPBR-BR

M

Datatronix Electronica Ltda.

Av. Pacaembu 746-C11

SAO PAULO, SP

Tel: (118) 260111

CM

### BRUNEI

Komputer Wisman Sdn Bhd

Room 1

3rd Floor, Tumasek Plaza

Jalan Tutong

### BANDAR SERI BEGAWAN

Tel: 23918,25603

C,E,P

### CAMEROON

Beriac

B. P. 23

DOUALA

Tel: 420153

Telex: 5351

C,P

### CANADA

#### Alberta

Hewlett-Packard (Canada) Ltd.

3030 3rd Avenue N.E.

CALGARY, Alberta T2A 6T7

Tel: (403) 235-3100

A,C,CM,E\*,M,P\*

Hewlett-Packard (Canada) Ltd.

11120-178th Street

EDMONTON, Alberta T5S 1P2

Tel: (403) 486-6666

A,C,CM,E,M,P

#### British Columbia

Hewlett-Packard (Canada) Ltd.

10691 Shellbridge Way

#### RICHMOND,

British Columbia V6X 2W8

Tel: (604) 270-2277

Telex: 610-922-5059

A,C,CM,E\*,M,P\*

Hewlett-Packard (Canada) Ltd.

121 - 3350 Douglas Street

VICTORIA, British Columbia V8Z 3L1

Tel: (604) 381-6616

C

#### Manitoba

Hewlett-Packard (Canada) Ltd.

1825 Inkster Blvd.

WINNIPEG, Manitoba R2X 1R3

Tel: (902) 694-2777

A,C,CM,E,M,P\*

A,C,CM,E,M,P\*

#### New Brunswick

Hewlett-Packard (Canada) Ltd.

814 Main Street

MONCTON, New Brunswick E1C 1E6

Tel: (606) 855-2841

C

#### Nova Scotia

Hewlett-Packard (Canada) Ltd.

Suite 111

900 Windmill Road

DARTMOUTH, Nova Scotia B3B 1P7

Tel: (902) 469-7820

C,CM,E\*,M,P\*

#### Ontario

Hewlett-Packard (Canada) Ltd.

3325 N. Service Rd., Unit W03

BURLINGTON, Ontario L7N 3G2

Tel: (416) 335-8644

C,M\*

Hewlett-Packard (Canada) Ltd.

496 Days Road

KINGSTON, Ontario K7M 5R4

Tel: (613) 384-2088

C

Hewlett-Packard (Canada) Ltd.

552 Newbold Street

LONDON, Ontario N6E 2S5

Tel: (519) 686-9181

A,C,CM,E\*,M,P\*

Hewlett-Packard (Canada) Ltd.

6877 Goreway Drive

MISSISSAUGA, Ontario L4V 1M8

Tel: (416) 678-9430

Telex: 069-9644

A,C,CM,E,M,P

Hewlett-Packard (Canada) Ltd.

2670 Queensview Dr.

OTTAWA, Ontario K2B 8K1

Tel: (613) 820-6483

A,C,CM,E\*,M,P\*

Hewlett-Packard (Canada) Ltd.

The Oaks Plaza, Unit #9

2140 Regent Street

SUDBURY, Ontario, P3E 5S8

Tel: (705) 522-0202

C

Hewlett-Packard (Canada) Ltd.

3790 Victoria Park Ave.

WILLOWDALE, Ontario M2H 3H7

Tel: (416) 499-2550

C,E

#### Quebec

Hewlett-Packard (Canada) Ltd.

17500 Trans Canada Highway

South Service Road

KIRKLAND, Quebec H9J 2X8

Tel: (514) 697-4232

Telex: 058-21521

A,C,CM,E,M,P\*

Hewlett-Packard (Canada) Ltd.

1150 rue Claire Fontaine

QUEBEC CITY, Quebec G1R 5G4

Tel: (418) 648-0726

C

Hewlett-Packard (Canada) Ltd.

130 Robin Crescent

SASKATOON, Saskatchewan S7L 6M7

Tel: (306) 242-3702

C

#### CHILE

ASC Ltda.

Austria 2041

#### SANTIAGO

Tel: 223-5946, 223-6148

Telex: 340192 ASC CK

C,P

Jorge Calcagni y Cia

Av. Italia 634 Santiago

Casilla 16475

#### SANTIAGO 9

Tel: 222-0222

Telex: 440283 JCYCL CZ

CM,E,M

Metrolab S.A.

Monjitas 454 of. 206

#### SANTIAGO

Tel: 395752, 398296

Telex: 340866 METLAB CK

A

Olympia (Chile) Ltda.

Av. Rodrigo de Araya 1045

Casilla 256-V

#### SANTIAGO 21

Tel: 225-5044

Telex: 340892 OLYMP

Cable: Olympiachile Santiagochile

C,P

#### CHINA, People's

##### Republic of

China Hewlett-Packard Co., Ltd.

477/F China Resources Bldg.

26 Harbour Road

#### HONG KONG

Tel: 5-8330833

Telex: 76793 HPA HX

Cable: HP ASIA LTD

A\*,M\*

China Hewlett-Packard Co., Ltd.

P.O. Box 9610, Beijing

4th Floor, 2nd Watch Factory Main

Bldg

Shuang Yu Shou, Bei San Huan Road

Hai Dian District

#### BEIJING

Tel: 28-0567

Telex: 22601 CTSHP CN

Cable: 1920 Beijing

A,C,CM,E,M,P

China Hewlett-Packard Co., Ltd.

CHP Shanghai Branch

23/F Shanghai Union Building

100 Yan An dong Lu

#### SHANG-HAI

Tel: 265550

Telex: 33571 CHPSB CN

Cable: 3416 Shanghai

A,C,CM,E,M,P

#### COLOMBIA

Instrumentación

H. A. Langebaek & Kier S.A.

Carrera 4A No. 52A-26

Apartado Aereo 6287

BOGOTA 1, D.E.

Tel: 212-1466

Telex: 44400 INST CO

Cable: AARIS Bogota

CM,E,M

Nefromedica Ltda.

Calle 123 No. 9B-31

Apartado Aereo 100-958

BOGOTA D.E., 10

Tel: 213-5267, 213-1615

Telex: 43415 HEGAS CO

A

Compumundo

Avenida 15 # 107-80

#### BOGOTA D.E.

Tel: 214-4458

Telex: 45466 SUMA CO

P

Carvajal, S.A.

Calle 29 Norte No. 6A-40

Apartado Aereo 46

#### CAJI

Tel: 968-1111



## CONGO

Serico-Congo  
B. P. 2105  
**BRAZZAVILLE**  
Tel: 815034  
Telex: 5262

## COSTA RICA

Cientifica Costarricense S.A.  
Avenida 2, Calle 5  
San Pedro de Montes de Oca  
Apartado 10159

### SAN JOSÉ

Tel: 24-38-20, 24-08-19  
Telex: 2367 GALGUR CR  
C.M.E.M

O. Fischel R. Y. Cia. S.A.  
Apartados 434-10174

### SAN JOSÉ

Tel: 23-72-44  
Telex: 2379  
Cable: OFIR  
A

## CYPRUS

Telerexa Ltd.  
P.O. Box 1152  
7 A Afroditi Avenue  
**NICOSIA**

Tel: 45 628, 62 698  
Telex: 2894 LEVIDO CY  
E,M,P

## DENMARK

Hewlett-Packard A/S  
Kongevejen 25

### DK-3460 BIRKERØD

Tel: (02) 81-66-40  
Telex: 37409 hpas dk  
A,C,C.M,E,M,P

### Hewlett-Packard A/S

Røllghedsvej 32  
DK-8240 RISSKOV, Aarhus

Tel: (06) 17-60-00

Telex: 37409 hpas dk

C,E

## DOMINICAN REPUBLIC

Microprog S.A.  
Juan Tomás Mejía y Cotes No. 60

### Aroyo Hondo

**SANTO DOMINGO**  
Tel: 565-6268

Telex: 4510 ARENTA DR (RCA)

P

## ECUADOR

CYEDE Cia. Ltda.  
Avenida Eloy Alfaro 1749

y Belgica

Casilla 6423 CCI

### QUITO

Tel: 245-0975, 243-052

Telex: 22548 CYEDE ED

E,P

Medtronics

Valladolid 524 Madrid

P.O. 9171, **QUITO**

Tel: 2-238-951

Telex: 2298 ECUAME ED

A

## Hospitalar S.A.

Robles 825  
Casilla 3590

### QUITO

Tel: 545-250, 545-122  
Telex: 2485 HOSPTEL ED  
Cable: HOSPITALAR-Quito

M

Ecuador Overseas Agencies C.A.

Calle 9 de Octubre #818

P.O. Box 1296, Guayaquil

### QUITO

Tel: 306022  
Telex: 3361 PBCGYE ED

M

## EGYPT

Sakro Enterprises  
P.O. Box 259

**ALEXANDRIA**  
Tel: 802980, 808020, 805302

Telex: 54333

C

International Engineering Associates

24 Hussein Hegazi Street

Kasr-el-Aini

### CAIRO

Tel: 23829, 21641

Telex: 93930 IEA UN

Cable: INTEGASSO

E

Sakro Enterprises

70 Mossadak Street

Dokki, Giza

### CAIRO

Tel: 706 440, 701 087

Telex: 9337

C

S.S.C. Medical

40 Gezerat El Arab Street

Mohandessin

### CAIRO

Tel: 803844, 805998, 810263

Telex: 20503 SSC UN

M\*

## EL SALVADOR

IPESA de El Salvador S.A.

29 Avenida Norte 1223

### SAN SALVADOR

Tel: 25-8858, 28-6868

Telex: 301 20539 IPESA SAL

A,C,C.M,E,P

## ETHIOPIA

Serico-Ethiopia

P.O. Box 2764

**ADDIS ABABA**

Tel: 185114

Telex: 21150

C,P

## FINLAND

Hewlett-Packard Oy

Piispankalliontie 17

02200 ESPOO

Tel: 00358-0-88721

Telex: 121563 HEWPA SF

C,M,P

## FRANCE

Hewlett-Packard France

Z.I. Mercure B

Rue Berthelot

13763 Les Milles Cedex

### AIX-EN-PROVENCE

Tel: (42) 59-41-02

Telex: 410770F

A.C.E.M

Hewlett-Packard France

64, Rue Marchand Saillant

61000 ALENCON

Tel: (23) 29 04 42

C\*\*

Hewlett-Packard France

Bâtiment Levitan

2585, route de Grasse

Bretelle Autoroute

06600 ANTIBES

Tel: (93) 74-59-19

Hewlett-Packard France

28 Rue de la République

Boite Postale 533

25026 BESANCON

Tel: (81) 83-16-22

Telex: 361157

C,E\*

Hewlett-Packard France

13 Place Napoléon III

29000 BREST

Tel: (98) 41-87-90

E

Hewlett-Packard France

Chemin des Mouilles

Boite Postale 182

69131 ECULLY Cedex (Lyon)

Tel: (78) 133-81-25

Telex: 310617F

A.C.E.M.P\*

Hewlett-Packard France

Parc d'activités du Bois Briard

Avenue du Lac

91040 EVRY Cedex

Tel: (80) 77-83-83

Telex: 692315F

C

Hewlett-Packard France

5, avenue Raymond Chanas

38320 EVRENS (Grenoble)

Tel: (76) 62-57-98

Telex: 980124 HP GRENOB EYBE

C

Hewlett-Packard France

Rue Fernand, Forest

Z. A. Kergaradec

29230 GOUESNOU

Tel: (98) 41-87-90

Hewlett-Packard France

Parc Club des Tanneries

Bâtiment B4

4, Rue de la Falsanderie

67380 LINCOLSHEIM

(Strasbourg)

Tel: (88) 76-15-00

Telex: 890141F

C,E\*,M\*,P\*

Hewlett-Packard France

Centre d'affaires Paris-Nord

Bâtiment Ampère

Rue de la Commune de Paris

Boite Postale 300

93153 LE BLANC-MESNIL

Tel: (1) 865-44-52

Telex: 211032F

C,E,M

Hewlett-Packard France

Parc d'activités Cadéza

Quartier Jean-Mermoz

Avenue du Président JF Kennedy

33700 MÉRIGNAC (Bordeaux)

Tel: (56) 34-00-84

Telex: 550105F

C,E,M

Hewlett-Packard France

3, Rue Graham Bell

BP 5149

57074 METZ Cedex

Tel: (87) 36-13-31

Telex: 860602F

C,E

Hewlett-Packard France

Miniparc-ZIRST

Chemin du Vieux Chêne

38240 MEYLAN (Grenoble)

Tel: (76) 90-38-40

C

Hewlett-Packard France

Bat.A l'Erable

Bureau vert du Bois Briard

44085 NANTES Cedex

Tel: (40) 50-32-22

Telex: 711085F

A.C.E.M.\*P

Hewlett-Packard France

125, Rue du Faubourg Bannier

45000 ORLÉANS

Tel: (38) 62-20-31

E,P\*

Hewlett-Packard France

Zone Industrielle de Courtaoëuf

Avenue des Tropiques

91947 LES ILLIS Cedex (Orsay)

Tel: (69) 07-78-25

Telex: 600048F

A.C.C.M.E.M.P\*\*

Hewlett-Packard France

15, Avenue de l'Amiral-Bruix

75782 PARIS Cedex 16

Tel: (1) 45-02-75-00

Telex: 613663F

C,P\*

Hewlett-Packard France

8, Place Sainte Croix

86000 POITIERS

Tel: (49) 41-27-07

Telex: 550365F

C,E\*

Hewlett-Packard France

8, Place Sainte Croix

86000 POITIERS

Tel: (49) 41-27-07

Telex: 792335F

C,E\*



## SALES & SUPPORT OFFICES

Arranged alphabetically by country

### FRANCE (Cont'd)

Hewlett-Packard France  
47, Rue de Châtivesle  
51100 REIMS  
Tel: (26) 88-69-79  
C, P\*

Hewlett-Packard France  
Parc d'activités de la Poterie  
Rue Louis Kerautel-Botmel  
35000 RENNES  
Tel: (99) 51-42-44  
Telex: 740912F  
A\*, C, E, M, P\*

Hewlett-Packard France  
98 Avenue de Bretagne  
76100 ROUEN  
Tel: (35) 63-57-66  
Telex: 770035F  
C, E

Hewlett-Packard France  
4, Rue Thomas-Mann  
Boite Postale 56  
67033 STRASBOURG Cedex  
Tel: (68) 28-56-46  
Telex: 890141F  
C, E, M, P\*

Hewlett-Packard France  
Le Pérépole  
3, Chemin du Pigeonnier de la Cèpière  
3108 TOULOUSE Cedex  
Tel: (61) 40-11-12  
Telex: 531639F  
A, C, E, M, P\*

Hewlett-Packard France  
Les Cardoulines  
Batiment B2  
Route des Dolines  
Parc d'activité de Valbonne  
Sophia Antipolis  
06560 VALBONNE (Nice)  
Tel: (93) 65-39-40  
C

Hewlett-Packard France  
9, Rue Baudin  
26000 VALENCE  
Tel: (75) 42-76-16  
C\*\*

Hewlett-Packard France  
Carolor  
ZAC de Bois Briand  
57640 VIGY (Metz)  
Tel: (6) 771 20 22  
C

Hewlett-Packard France  
Parc d'activité des Prés  
1, Rue Papin  
59658 VILLENEUVE D'ASCQ Cedex  
Tel: (20) 47 78 78  
Telex: 160124F  
C, E, M, P

Hewlett-Packard France  
Parc d'activités Paris-Nord 11  
45, Rue des 3 Soeurs  
93420 VILLEPENTE  
Tel: (1) 48 63 80 80  
Telex: 211032F  
C, E, M, P\*

### GABON

Sho Gabon  
P.O. Box 89  
LIBREVILLE  
Tel: 721 484  
Telex: 5230

### GERMAN FEDERAL REPUBLIC

Hewlett-Packard GmbH  
Vertriebszentrum Mitte  
Hewlett-Packard-Strasse  
D-6380 BAD HONBURG  
Tel: (06172) 400-0  
Telex: 410 844 hpbg  
A, C, E, M, P

Hewlett-Packard GmbH  
Geschäftsstelle  
Keilstrasse 2-4  
D-1000 BERLIN 30  
Tel: (030) 21 99 04-0  
Telex: 018 3405 hpbld  
A, C, E, M, P

Hewlett-Packard GmbH  
Vertriebszentrum Südwest  
Schickardstrasse 2  
D-7030 BÜBLINGEN  
Tel: (07031) 645-0  
Telex: 7265 743 hep  
A, C, E, M, P

Hewlett-Packard GmbH  
Geschäftsstelle  
Schleefstr. 28a  
D-4600 DORTMUND-41  
Tel: (0231) 45001  
Telex: 822258 hepad  
A, C, E

Hewlett-Packard GmbH  
Vertriebszentrum Nord  
Kapstadtring 5  
D-2000 HAMBURG 60  
Tel: (040) 63804-1  
Telex: 021 63 032 hphhd  
A, C, E, M, P

Hewlett-Packard GmbH  
Geschäftsstelle  
Heldring 37-39  
D-3000 HANNOVER 61  
Tel: (0511) 5706-0  
Telex: 092 3259  
A, C, E, M, P

Hewlett-Packard GmbH  
Geschäftsstelle  
Rosslauer Weg 2-4  
D-6800 MANNHEIM  
Tel: (0621) 70 05-0  
Telex: 0462105  
A, C, E

Hewlett-Packard GmbH  
Geschäftsstelle  
Messerschmittstrasse 7  
D-7910 NEU ULM  
Tel: (0731) 70 73-0  
Telex: 0712916 HP ULM-D  
A, C, E\*

Hewlett-Packard GmbH  
Geschäftsstelle  
Emmericher Strasse 13  
D-8500 NÜRNBERG 10  
Tel: (0911) 5205-0  
Telex: 0623 860 hpnbg  
C, E, M, P

Hewlett-Packard GmbH  
Vertriebszentrum West  
Berliner Strasse 111  
D-4030 RATINGEN 3  
Tel: (02102) 464-0  
Telex: 589 070 hprad  
A, C, E, M, P

Hewlett-Packard GmbH  
Vertriebszentrum Süd  
Eschenstrasse 5  
D-6028 TAUFKIRCHEN  
Tel: (089) 61 20 7-0  
Telex: 0524985  
A, C, E, M, P  
Hewlett-Packard GmbH  
Geschäftsstelle  
Ermittelsäule  
7517 WALDBRONN 2  
Tel: (07243) 602-0  
Telex: 782 838 hep  
A, C, E

### GREAT BRITAIN

See United Kingdom

### GREECE

Hewlett-Packard A.E.  
173, Kifissias Avenue  
6th Floor  
Halandri-ATHENS  
Greece  
Tel: 6471543, 6471673, 6472971  
Telex: 221 286 HPHLGR  
A, C, CM\*\*, E, M, P

Kostas Karayannis S.A.  
8, Omirou Street  
ATHENS 133  
Tel: 32 30 303, 32 37 371  
Telex: 215962 RKAR GR  
A, C\*, CM, E

Impexin  
Intellect Div.  
209 Mesogion  
11525 ATHENS  
Tel: 6474481/2  
Telex: 216286  
P

Harli Company  
38, Mihalakopoulou  
ATHENS 612  
Tel: 7236071  
Telex: 218767

M\*  
Hollamco  
P.O. Box 87528  
18507 PRAEUS  
Tel: 4827049  
Telex: 241441  
A

### GUATEMALA

IPESA  
Avenida Reforma 3-48, Zona 9  
GUATEMALA CITY  
Tel: 316627, 317853, 66471/5  
Telex: 3055765 IPESA GU  
A, C, E, M, P

### HONG KONG

Hewlett-Packard Hong Kong, Ltd.  
G.P.O. Box 795  
5th Floor, Sun Hung Kai Centre  
30 Harbour Road  
HONG KONG

Tel: 5-8323211  
Telex: 66678 HEWPA HX  
Cable: HEWPACK HONG KONG  
E, C, P  
CET Ltd.  
10th Floor, Hua Asia Bldg.  
64-66 Gloucester Road  
HONG KONG  
Tel: (5) 200922  
Telex: 85148 CET HX  
CM

Schmidt & Co. (Hong Kong) Ltd.  
18th Floor, Great Eagle Centre  
23 Harbour Road, Wanchai  
HONG KONG  
Tel: 5-830222  
Telex: 74766 SCHMC HX

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M

A, M



Blue Star Ltd.  
Kalyan, 19 Vishwas Colony  
Alkapuri, **BORODA**, 390 005  
Tel: 65235, 65236  
Cable: BLUE STAR  
A

Blue Star Ltd.  
7 Hare Street  
**CALCUTTA** 700 001  
Tel: 230131, 230132  
Telex: 031-61120 BSNF IN  
Cable: BLUESTAR  
A,M,C,E

Blue Star Ltd.  
133 Kodambakkam High Road  
**MADRAS** 600 034  
Tel: 472056, 470238  
Telex: 041-379  
Cable: BLUESTAR  
A,M

Blue Star Ltd.  
13 Community Center  
New Friends Colony  
**NEW DELHI** 110 065  
Tel: 633182, 636674  
Telex: 031-61120  
Cable: BLUEFROST  
A,C\*,C,M,E,M

Blue Star Ltd.  
15/16 C Wellesley Rd.  
**PUNE** 411 011  
Tel: 22775  
Cable: BLUE STAR  
A

Blue Star Ltd.  
2-2-47/1108 Bolarum Rd.  
**SECUNDERABAD** 500 003  
Tel: 72057, 72058  
Telex: 0155-459  
Cable: BLUEFROST  
A,C,E

Blue Star Ltd.  
T.C. 7/603 Poornima  
Maruthunkuzhi  
**TRIVANDRUM** 695 013  
Tel: 65799, 65920  
Telex: 0884-259  
Cable: BLUESTAR  
E

Computer Maintenance Corporation  
Ltd.  
115, Sarojini Devi Road  
**SECUNDERABAD** 500 003  
Tel: 310-184, 345-774  
Telex: 031-2960  
C\*\*

**INDONESIA**  
BERCA Indonesia P.T.  
P.O.Box 496/Jkt.  
Jl. Abdul Muis 62  
**JAKARTA**  
Tel: 21-373009  
Telex: 46748 BERSAL IA  
Cable: BERSAL JAKARTA  
P

BERCA Indonesia P.T.  
P.O.Box 2497/Jkt  
Antara Bldg., 11th Floor  
Jl. Medan Merdeka Selatan 17  
**JAKARTA-PUSAT**  
Tel: 343889

Telex: 46748 BERSAL IA  
A,C,E,M,P  
BERCA Indonesia P.T.  
Jalan Kulai 24  
**SURABAYA**  
Tel: 67118

Telex: 31146 BERSAL SB  
Cable: BERSAL-SURABAYA  
A\*,E,M,P  
**IRAQ**  
Hewlett-Packard Trading S.A.  
Service Operation  
Al Mansoor City 9B/3/7

**BAGHDAD**  
Tel: 551-49-73  
Telex: 212-455 HEPAIRAQ IK  
C

**IRELAND**  
Hewlett-Packard Ireland Ltd.  
82/83 Lower Leeson Street  
**DUBLIN 2**  
Tel: 0001 608800  
Telex: 30439  
C,E,P

Cardiac Services Ltd.  
128 Dublin Industrial Estate  
**DUBLIN 11**  
Tel: (01) 307499  
Telex: 32254  
M

**ISRAEL**  
Eidan Electronic Instrument Ltd.  
P.O.Box 1270  
**JERUSALEM** 91000  
16, Ohalev St.  
**JERUSALEM** 94467  
Tel: 533 221, 553 242  
Telex: 25231 AB/PAKRD IL  
A,M

Computation and Measurement  
Systems (CMS) Ltd.  
11 Masad Street  
67060  
**TEL-AVIV**  
Tel: 388 388  
Telex: 33569 Motil IL  
C,C,M,E,P

**ITALY**  
Hewlett-Packard Italiana S.p.A.  
Traversa 90C  
Via Giulio Petroni, 19  
I-70124 **BARI**  
Tel: (080) 41-07-44  
C,M  
Hewlett-Packard Italiana S.p.A.  
Via Emilia, 51/C  
I-40011 **BOLOGNA** Anzola Dell' Emilia  
Tel: (051) 731061  
Telex: 511630  
C,E,M

Hewlett-Packard Italiana S.p.A.  
Via Principe Nicola 43G/C  
I-95120 **CATANIA**  
Tel: (095) 37-10-87  
Telex: 970291  
C

Hewlett-Packard Italiana S.p.A.  
Via G. di Vittorio 9  
20094 **CORSICO** (Milano)  
Tel: (02) 448351

Hewlett-Packard Italiana S.p.A.  
Viale Brigata Bisagno 2  
16129 **GENOVA**  
Tel: (010) 541141

Hewlett-Packard Italiana S.p.A.  
Viale G. Modugno 33  
I-16156 **GENOVA PEGLI**  
Tel: (010) 68-37-07  
Telex: 215238  
C,E

Hewlett-Packard Italiana S.p.A.  
Via G. di Vittorio 9  
I-20063 **CERNUSCO SUL**  
**NAVIGLIO**  
(Milano)

Tel: (02) 923691  
Telex: 334632  
A,C,C,M,E,M,P  
Hewlett-Packard Italiana S.p.A.  
Via Nuova Rivoltana 95  
20090 **LIMITO** (Milano)

Tel: (02) 92761  
Hewlett-Packard Italiana S.p.A.  
Via Nuova San Rocco a  
Capodimonte, 62/A  
I-80131 **NAPOLI**  
Tel: (081) 7413544  
Telex: 710698

A\*,C,E,M  
Hewlett-Packard Italiana S.p.A.  
Via Orazio 16  
80122 **NAPOLI**  
Tel: (081) 7611444

Hewlett-Packard Italiana S.p.A.  
Via Pellizzo 15  
35128 **PADOVA**  
Tel: (049) 8070166  
Telex: 430315  
A,C,E,M

Hewlett-Packard Italiana S.p.A.  
Viale C. Pavese 340  
I-00144 **ROMA EUR**  
Tel: (06) 54831  
Telex: 610514  
A,C,E,M,P\*

Hewlett-Packard Italiana S.p.A.  
Via di Casellina 57/C  
I-50018 **SCANDICCI-FIRENZE**  
Tel: (055) 753863  
C,E,M

Hewlett-Packard Italiana S.p.A.  
Corso Svizzera, 185  
I-10144 **TORINO**  
Tel: (011) 74 4044  
Telex: 221079  
A\*,C,E

## IVORY COAST

S.I.T.E.L.  
Societe Ivoirienne de  
Telecommunications  
Bd. Giscard d'Estaing  
Carrefour Marocry  
Zone 4 A  
Boite postale 2580  
**ABIDJAN 01**  
Tel: 353600  
Telex: 43175  
E  
S.I.T.I.  
Immeuble "Le General"  
Av. du General de Gaulle  
01 BP 161  
**ABIDJAN 01**  
Tel: 321227  
C,P

## JAPAN

Yokogawa-Hewlett-Packard Ltd.  
152-1, Onna  
**ATSUGI**, Kanagawa, 243  
Tel: (0462) 25-0031  
C,M,E

Yokogawa-Hewlett-Packard Ltd.  
Meiji-Seimei Chiba Bldg,  
3-1 Hon Chiba-Cho  
**CHIBA**, 280  
Tel: (0472) 25 7701  
C,E

Yokogawa-Hewlett-Packard Ltd.  
Yasuda-Seimei Hiroshima Bldg,  
6-11, Hon-dori, Naka-ku  
**HIROSHIMA**, 730  
Tel: (082) 241-0611

Yokogawa-Hewlett-Packard Ltd.  
Towa Building  
2-3, Kaigan-dori, 2 Chome Chuo-ku  
**KOBE**, 650  
Tel: (078) 392-4791  
C,E

Yokogawa-Hewlett-Packard Ltd.  
Kumagaya Asahi 82 Bldg.  
3-4 Tsukuba  
**KUMAGAYA**, Saitama 360  
Tel: (0485) 24-6563  
C,M,E

Yokogawa-Hewlett-Packard Ltd.  
Asahi Shinbun Daiichi Seimei Bldg.  
4-7, Hanabata-cho  
**KUMAMOTO**, 860  
Tel: (0963) 54-7311  
C,E

Yokogawa-Hewlett-Packard Ltd.  
Shin-Kyoto Center Bldg.  
614, Higashi-Shiokoji-cho  
Karasuma-Nishiru  
**SHIOKOJI-KYO**, Shimogyo-ku  
**KYOTO**, 600  
Tel: (075)-343-0921  
C,E

Yokogawa-Hewlett-Packard Ltd.  
Mito Mitsui Bldg.  
4-73, Sanno-maru, 1 Chome  
**MITO**, Ibaraki 310  
Tel: (0292) 25-7470  
C,M,E



## SALES & SUPPORT OFFICES

Arranged alphabetically by country

### JAPAN (Cont'd)

Yokogawa-Hewlett-Packard Ltd.  
Meiji-Seimei Kokubun Bldg.

7-8 Kokubun, 1 Chome, Sendai

MIYAGI, 980

Tel: (0222) 25-1011

C,E

Yokogawa-Hewlett-Packard Ltd.

Gohda Bldg. 2F

2-10 Gohda 1 Chome

Okaya-Shi

NAGANO, 394

Tel: (0266) 23 0851

C,E

Yokogawa-Hewlett-Packard Ltd.

Nagoya Kokusai Center Building

47-1, Nagono, 1 Chome

Nakamura-ku

NAGOYA, 450

Tel: (052) 571-5171

C,M,E,M

Yokogawa-Hewlett-Packard Ltd.

Sal-Kyo-Ren Building

1-2 Dote-cho

OHMIYA OHMIYA, Saitama 330

Tel: (0468) 45-8031

Yokogawa-Hewlett-Packard Ltd.

Chuo Bldg.

4-20 Nishinakajima, 5 Chome

Yodogawa-ku

OSAKA, 532

Tel: (06) 304-6021

Telex: YHPOSA 523-3624

C,M,E,M,P\*

Yokogawa-Hewlett-Packard Ltd.

27-15, Yabe, 1 Chome

SAGAMIHARA Kanagawa, 229

Tel: 0427 59-1311

Yokogawa-Hewlett-Packard Ltd.

Motoshiro-cho Dai-ich Seimei Bldg. 1F

219-21 Motoshiro-cho,

Hamamatsu-shi

SHIZUOKA, 430

Tel: (0534) 56 1771

C,E

Yokogawa-Hewlett-Packard Ltd.

Dalichi Seimei Bldg.

7-1, Nishi Shinjuku, 2 Chome

Shinjuku-ku, TOKYO 160

Tel: 03-348-4611

C,E,M

Yokogawa Hewlett-Packard Ltd.

9-1, Takakura-cho

Hachioji-shi, TOKYO, 192

Tel: 0426-42-1261

C,E

Yokogawa-Hewlett-Packard Ltd.

29-21 Takaido-Higashi, 3 Chome

Suginami-ku TOKYO 168

Tel: (03) 331-6111

Telex: 232-2024 YHPTOK

C,M,E,P\*

Yokogawa Hokushin Electric

Corporation

Shinjuku-NS Bldg. 10F

4-1 Nishi-Shinjuku 2-Chome

Shinjuku-ku

TOKYO, 163

Tel: (03) 349-1859

Telex: J27584

A

Yokogawa Hokushin Electric Corp.

9-32 Nokacho 2 Chome

2 Chome Mussashino-shi

TOKYO, 180

Tel: (0422) 54-1111

Telex: 02822-421 YEW MTK J

A

Yokogawa-Hewlett-Packard Ltd.

Meiji-Seimei

Utsunomiya Odori Building

1-5 Odori, 2 Chome

UTSUNOMIYA, Tochigi 320

Tel: (0286) 33-1153

C,E

Yokogawa-Hewlett-Packard Ltd.

Yasuda Seimei Nishiguchi Bldg.

30-4 Tsuruya-cho, 3 Chome

Kanagawa-ku, YOKOHAMA 221

Tel: (045) 312-1252

C,M,E

### JORDAN

Scientific and Medical Supplies Co.

P.O. Box 1387

AMMAN

Tel: 24907, 39907

Telex: 21456 SABCO JO

C,E,M,P

### KENYA

ADCOM Ltd., Inc., Kenya

P.O. Box 30070

NAIROBI

Tel: 33 1955

Telex: 22639

E,M

### KOREA

Samsung Hewlett-Packard Co. Ltd.

Dongbang Yeouido Building

12-16th Floors

36-1 Yeouido-Dong

Yeoungdeungpo-Ku

SEOUL

Tel: 784-4666, 784-2666

Telex: 25 166 SAMSAN K

C,M,E,M,P

Young In Scientific Co., Ltd.

Youngha Building

547 Shinsa Dong, Kangnam-Ku

SEOUL 135

Tel: 546-7771

Telex: K23457 GINSCO

A

Dongbang Healthcare

Products Co. Ltd.

Suite 301 Medical Supply Center

Bldg. 1-31 Dongsungdong

Jong Ro-gu, SEOUL

Tel: 764-1171, 741-1641

Telex: K25706 TKBKO

Cable: TBKEEPKO

M

### KUWAIT

Al-Khaldiya Trading & Contracting

P.O. Box 830

SAFAT

Tel: 424910, 411726

Telex: 22481 AREEG KT

Cable: VISCOUNT

E,M,A

Gulf Computing Systems

P.O. Box 25125

SAFAT

Tel: 435989

Telex: 23648

P

Photo & Cine Equipment

P.O. Box 270

SAFAT

Tel: 2445111

Telex: 22247 MATIN KT

Cable: MATIN KUWAIT

P

W.J. Towell Computer Services

P.O. Box 5897

SAFAT

Tel: 2462640/1

Telex: 30336 TOWELL KT

C

### LEBANON

Computer Information Systems S.A.L.

Chammass Building

P.O. Box 11-6274 Dora

BEIRUT

Tel: 89 40 73

Telex: 42309

C,E,M,P

### LIBERIA

Unichemicals Inc.

P.O. Box 4509

MONROVIA

Tel: 224282

Telex: 4509

E

### MADAGASCAR

Technique et Precision

12, rue de Nice

P.O. Box 1227

101 ANTANANARIVO

Tel: 22090

Telex: 22255

P

### LUXEMBOURG

Hewlett-Packard Belgium S.A./N.V.

Bvd de la Woluwe, 100

Woluwedal

B-1200 BRUSSELS

Tel: (02) 762-32-00

Telex: 23-494 paloben br

A,C,M,E,M,P

### MALAYSIA

Hewlett-Packard Sales (Malaysia)

Sdn. Bhd.

9th Floor

Chung Khiau Bank Building

46, Jalan Raja Laut

50050 KUALA LUMPUR

Tel: 2698555

Telex: 31011 HPSM MA

A,C,E,M,P\*

Protel Engineering

P.O. Box 1917

Lot 662A, Section 64

23/4 Pending Road

Kuching, SARAWAK

Tel: 36299

Telex: 70904 PROMAL MA

Cable: PROTELENG

A,E,M

### MALTA

Philip Toledo Ltd.

Birkirkara P.O. Box 11

Notabile Rd.

MRIEHEL

Tel: 447 47, 455 66, 4915 25

Telex: Media MW 649

E,M,P

### MAURITIUS

Blanche Birger Co. Ltd.

18, Jules Koenig Street

PORT LOUIS

Tel: 20828

Telex: 4296

P

### MEXICO

Hewlett-Packard de Mexico,

S.A. de C.V.

Rio Nio No. 4049 Desp. 12

Fracc. Cordoba

JUAREZ

Tel: 161-3-15-62

P

Hewlett-Packard de Mexico,

S.A. de C.V.

Condominio Kadereyta

Circuito del Mezon No. 186 Desp. 6

COL DEL PRADO - 76030 Oro.

Tel: 463-6-02-71

P

Hewlett-Packard de Mexico,

S.A. de C.V.

Monti Morelos No. 299

Fraccionamiento Loma Bonita 45060

GUADALAJARA, Jalisco

Tel: 36-31-46-00

Telex: 0684 186 ECOMEX

P

Microcomputadoras Hewlett-Packard,

S.A.

Monti Pelvoux 115

LOS LOMAS, Mexico, D.F.

Tel: 520-9127

P

Microcomputadoras Hewlett-Packard,

S.A. de C.V.

Monte Pelvoux No. 115

Lomas de Chapultepec, 11000

MEXICO, D.F.

Tel: 520-9127

P

Hewlett-Packard de Mexico,

S.A. de C.V.

Monte Pelvoux No. 111

Lomas de Chapultepec

11000 MEXICO, D.F.

Tel: 5-40-62-28, 72-66, 50-25

Telex: 17-74-507 HEWPACK MEX

A,C,M,E,M,P

Hewlett-Packard De Mexico (Polanco)

Avenida Ejercito Nacional #579

2da y 9er piso

Colonia Granada 11560

MEXICO D.F.

Tel: 254-4433

P



Hewlett-Packard de Mexico,  
S.A. de C.V.  
Czda. del Valle  
409 Ote. 4th Piso  
Colonia del Valle  
Municipio de Garza Garcia Nuevo Leon  
66220 MONTERREY, Nuevo León  
Tel: 83-78-42-40  
Telex: 382410 HPMY  
C

Infograficas y Sistemas del Noreste,  
S.A.  
Rio Orinoco #171 Oriente  
Despacho 2001  
Colonia Del Valle  
MONTERREY  
Tel: 559-4415, 575-3837  
Telex: 483164  
A,E

Hewlett-Packard de Mexico,  
S.A. de C.V.  
Blvd. Independencia No. 2000 Ote.  
Col. Estrella  
TORREON, COAH.  
Tel: 171-10-21-99  
P

#### MOROCCO

Etablissement Hubert Dolbeau & Fils  
81 rue Karachi  
B.P. 11133  
CASABLANCA  
Tel: 3041-82, 3068-38  
Telex: 23051, 22822  
E  
Gerep  
2, rue Agadir  
Boite Postale 156  
CASABLANCA 01  
Tel: 272093, 272095  
Telex: 23 739  
P

Sema-Maroc  
Dept. Seric  
6, rue Lapebie  
CASABLANCA  
Tel: 280980  
Telex: 21641  
C,P

#### NETHERLANDS

Hewlett-Packard Nederland B.V.  
Starbaan 16  
NL-1187 XR AMSTELVEEN  
P.O. Box 667  
NL-1180 AR AMSTELVEEN  
Tel: (020) 547-6911  
Telex: 13 216 HEPA NL  
A,C,CM,E,M,P  
Hewlett-Packard Nederland B.V.  
Bongerd 2  
NL 2906VK CAPELLE A/D IJSEL  
P.O. Box 41  
NL 2900AA CAPELLE A/D IJSEL  
Tel: (10) 51-64-44  
Telex: 21261 HEPAC NL  
C,E

Hewlett-Packard Nederland B.V.  
Pastoor Petersstraat 134-136  
NL 5612 LV EINDHOVEN  
P.O. Box 2342  
NL 5600 CH EINDHOVEN  
Tel: (040) 326911  
Telex: 51484 hepae nl  
C,E,P

#### NEW ZEALAND

Hewlett-Packard (N.Z.) Ltd.  
5 Owens Road  
P.O. Box 26-189  
Epsom, AUCKLAND  
Tel: 687-159  
Cable: HEWPAK Auckland  
C,CM,E,P\*  
Hewlett-Packard (N.Z.) Ltd.  
184-190 Willis Street  
WELLINGTON  
P.O. Box 9443  
Courtenay Place, WELLINGTON 3  
Tel: 877-199  
Cable: HEWPAK Wellington  
C,CM,E,P  
Northrop Instruments & Systems Ltd.  
369 Khyber Pass Road  
P.O. Box 8602  
AUCKLAND  
Tel: 794-091  
Telex: 60605  
A,M  
Northrop Instruments & Systems Ltd.  
110 Mandeville St.  
P.O. Box 8388  
CHRISTCHURCH  
Tel: 488-873  
Telex: 4203  
A,M  
Northrop Instruments & Systems Ltd.  
Sturdee House  
85-87 Ghuznee Street  
P.O. Box 2406  
WELLINGTON  
Tel: 850-091  
Telex: NZ 3380  
A,M

Northrop Instruments & Systems Ltd.  
369 Khyber Pass Road  
P.O. Box 8602  
AUCKLAND  
Tel: 794-091  
Telex: 60605  
A,M  
Northrop Instruments & Systems Ltd.  
110 Mandeville St.  
P.O. Box 8388  
CHRISTCHURCH  
Tel: 488-873  
Telex: 4203  
A,M  
Northrop Instruments & Systems Ltd.  
Sturdee House  
85-87 Ghuznee Street  
P.O. Box 2406  
WELLINGTON  
Tel: 850-091  
Telex: NZ 3380  
A,M

Northrop Instruments & Systems Ltd.  
Sturdee House  
85-87 Ghuznee Street  
P.O. Box 2406  
WELLINGTON  
Tel: 850-091  
Telex: NZ 3380  
A,M

#### NIGERIA

Eimaco Nigeria Ltd.  
46, Calcutta Crescent Apapa  
P.O. Box 244and  
LAGOS  
E

#### NORTHERN IRELAND

See United Kingdom

#### NORWAY

Hewlett-Packard Norge A/S  
Folke Bernadottes vei 50  
P.O. Box 3558  
N-5033 FYLLINGSDALEN (Bergen)  
Tel: 0047/5/16 55 40  
Telex: 76921 hpnas n  
C,E,M  
Hewlett-Packard Norge A/S  
Osterdalen 16-18  
P.O. Box 34  
N-1345 ØSTERAAS  
Tel: 0047/2/24 60 90  
Telex: 78621 hpnas n  
A,C,CM,E,M,P

Hewlett-Packard Norge A/S  
Boehmergt. 42  
Box 2470  
N-5037 SOLHEMSVIK  
Tel: 0047/5/29 00 90

#### OMAN

Khimjiil Ramdas  
P.O. Box 19  
MUSCAT/SULTANATE OF OMAN  
Tel: 795 901  
Telex: 3489 BROKER MB MUSCAT  
P

Suhail & Saud Bahwan  
P.O. Box 169  
MUSCAT/SULTANATE OF OMAN  
Tel: 734 201-3  
Telex: 5274 BAHWAN MB  
E

Imtrac LLC  
P.O. Box 9196  
MINA AL FAHAL/SULTANATE OF OMAN  
Tel: 561 695, 5602078, 561010  
Telex: 5298 Tawoos On  
A,C,M

#### PAKISTAN

Mushko & Company Ltd.  
House No. 16, Street No. 16  
Sector F-6/3

ISLAMABAD  
Tel: 824545  
Cable: FEMUS Islamabad  
A,E,P\*

Mushko & Company Ltd.  
Oosman Chambers  
Abdullah Haroon Road  
KARACHI 0302  
Tel: 524131, 524132  
Telex: 2894 MUSKO PK  
Cable: COOPERATOR Karachi  
A,E,P\*

#### PANAMA

Electronico Balboa, S.A.  
Calle Samuel Lewis, Ed. Alfa  
Apartado 4929  
PANAMA 5  
Tel: 64-2700  
Telex: 3483 ELECTRON PG  
CM,E,M,P

#### PERU

Cía Electro Médica S.A.  
Los Flamencos 145  
San Isidro  
Casilla 1030  
LIMA 1  
Tel: 41-4325, 41-3705  
Telex: Pub. Booth 25306 PEC PISIDR  
CM,E,M,P  
SAMS S.A.  
Arenida Republica de Panama 3534  
San Isidro, LIMA  
Tel: 419928/417108  
Telex: 20450 PE LIBERTAD  
A,C,P

#### PHILIPPINES

The Online Advanced Systems Corp.  
2nd Floor, Electra House  
115-117 Esteban Street  
Legaspi Village, Makati  
Metro MANILA  
Tel: 815-38-10 (up to 16)  
Telex: 63274 ONLINE PN  
A,C,E,M,P

#### PORTUGAL

Mundinter Intercambio  
Mundial de Comércio S.A.R.L.  
Av. Antonio Augusto Aguiar 138  
Apartado 2761  
LISBON  
Tel: (19) 53-21-31, 53-21-37  
Telex: 16691 munter p  
M

Soquimica  
Av. da Liberdade, 220-2  
1298 LISBOA Codex  
Tel: 56-21-82  
Telex: 13316 SABASA  
A

Teletra-Empresa Técnica de  
Equipamentos Eléctricos S.A.R.L.  
Rua Rodrigo da Fonseca 103  
P.O. Box 2531  
LISBON 1  
Tel: (19) 68-60-72  
Telex: 12598  
CM,E  
C.P.C.S.I.  
Rua de Costa Cabral 575  
4200 PORTO  
Tel: 499174/495173  
Telex: 26054  
C,P

#### PUERTO RICO

Hewlett-Packard Puerto Rico  
101 Muñoz Rivera Av  
Esp. Calle Ochoa  
HATO REY, Puerto Rico 00818  
Tel: (809) 754-7800  
A,C,CM,M,E,P

#### QATAR

Computer Arabia  
P.O. Box 2750  
DOHA  
Tel: 428555  
Telex: 4806 CHPARB  
P  
Nasser Trading & Contracting  
P.O. Box 1563  
DOHA  
Tel: 422170  
Telex: 4439 NASSER DH  
M

#### SAUDI ARABIA

Modern Electronics Establishment  
Hewlett-Packard Division  
P.O. Box 281  
Thuab  
AL-KHOBAR 31952  
Tel: 895-1760, 895-1764  
Telex: 671 106 HPMEEK SJ  
Cable: ELECTA AL-KHOBAR  
C,E,M



## SALES & SUPPORT OFFICES

Arranged alphabetically by country

### SAUDI ARABIA (Cont'd)

Modern Electronics Establishment  
Hewlett-Packard Division  
P.O. Box 1228  
Redec Plaza, 6th Floor  
JEDDAH  
Tel: 644 96 28  
Telex: 4027 12 FARNAS SJ  
Cable: ELECTA JEDDAH  
A,C,CM,E,M,P

Modern Electronics Establishment  
Hewlett-Packard Division  
P.O. Box 22015  
RIYADH 11495  
Tel: 491-87 15, 491-63 87  
Telex: 202049 MEERYD SJ  
C,E,M

Abdul Ghani El Ajou Corp.  
P.O. Box 78  
RIYADH  
Tel: 40 41 717  
Telex: 200 932 EL AJOU  
P

### SCOTLAND

See United Kingdom

### SENEGAL

Societe Husseln Ayad & Cie.  
76, Avenue Georges Pompidou  
B.P. 305

DAKAR  
Tel: 32339  
Cable: AYAD-Dakar  
E

Moneger Distribution S.A.  
1, Rue Parent  
B.P. 148  
DAKAR  
Tel: 215 671  
Telex: 587  
P

Systeme Service Conseil (SSC)  
14, Avenue du Parachol  
DAKAR ETOILE  
Tel: 219976  
Telex: 577  
C,P

### SINGAPORE

Hewlett-Packard Singapore (Sales)  
Pte. Ltd.  
#08-00 Inncapex House  
450-2 Alexandra Road  
Alexandra P.O. Box 58  
SINGAPORE, 9115  
Tel: 4731788  
Telex: 34209 HPSGSO RS  
Cable: HEWPACK, Singapore  
A,C,E,M,P

Dynamar International Ltd.  
Unit 05-11 Block 6  
Kolan Ayer Industrial Estate  
SINGAPORE 1334  
Tel: 747-6188  
Telex: 26283 RS  
CM

### SOUTH AFRICA

Hewlett-Packard So Africa (Pty.) Ltd.  
P.O. Box 120  
Howard Place CAPE PROVINCE 7430  
Pine Park Center, Forest Drive  
Pinelands

CAPE PROVINCE 7405  
Tel: (021) 53 7954  
Telex: 57-20006  
A,C,CM,E,M,P

Hewlett-Packard So Africa (Pty.) Ltd.  
2nd Floor Juniper House  
92 Overport Drive  
DURBAN 4067  
Tel: (031) 28-4178  
Telex: 6-22954  
C

Hewlett-Packard So Africa (Pty.) Ltd.  
6 Linton Arcade  
511 Cape Road  
Linton Grange  
PORT ELIZABETH 6001  
Tel: 041-301201  
Telex: 24-2916  
C

Hewlett-Packard So Africa (Pty.) Ltd.  
Fountain Center  
Kalkoen Str.  
Monument Park Ext 2  
PRETORIA 0105  
Tel: (012) 45 5725  
Telex: 32163  
C,E

Hewlett-Packard So Africa (Pty.) Ltd.  
9 Eastern Service Road  
Eastgate Ext. 3  
SANDTON 2144  
Tel: 802-5111, 802-5125  
Telex: 4-20877 SA  
Cable: HEWPACK Johannesburg  
A,C,CM,E,M,P

### SPAIN

Hewlett-Packard Española, S.A.  
Calle Entenza, 321  
08029 BARCELONA  
Tel: 3/322 24 51, 321 73 54  
Telex: 52603 hpbee  
A,C,E,M,P

Hewlett-Packard Española, S.A.  
Calle San Vicente S/N  
Edificio Albia II-7B  
48001 BILBAO  
Tel: 4/423 83 06  
A,C,E,M

Hewlett-Packard Española, S.A.  
Ctra. de la Coruña, Km. 16, 400  
Las Rozas  
E-MADRID  
Tel: (1) 637.00.11  
Telex: 23515 HPE  
C,M

Hewlett-Packard Española, S.A.  
Avda. S. Francisco Javier, S/N  
Planta 10. Edificio Sevilla 2  
41005 SEVILLA  
Tel: 54/64 44 54  
Telex: 72933  
A,C,M,P

Hewlett-Packard Española, S.A.  
Isabel La Católica, 8  
46004 VALENCIA  
Tel: (96) 351 59 44  
Telex: 63435  
C,P

Hewlett-Packard Española, S.A.  
Av. de Zugazarte, 8  
Edificio El Abra 4  
Las Arenas-Guecho  
VIZCAYA  
Tel: (94) 464 3255, 464 2933  
Telex: 33032

### SWEDEN

Hewlett-Packard Sverige AB  
Östra Tullgatan 3  
S-20011 MALMÖ  
Box 6132  
Tel: (040) 70270  
Telex: (854) 17886 (via Spånga  
office)  
C,P

Hewlett-Packard Sverige AB  
Västra Vintergatan 9  
S-70344 ÖREBRO  
Tel: (19) 10-48-80  
Telex: (854) 17886 (via Spånga office)  
C

Hewlett-Packard Sverige AB  
Skalhögsgatan 9, Kista  
Box 19  
S-16393 SPÅNGA  
Tel: (08) 750-2000  
Telex: (854) 17886  
Telefax: (08) 752781  
A,C,CM,E,M,P

Hewlett-Packard Sverige AB  
Box 266  
Topasgatan 1A  
S-42123 VÄSTRA-FRÖLUNDA  
(Gothenburg)  
Tel: (031) 89-10-00  
Telex: (854) 17886 (via Spånga  
office)  
A,C,CM,E,M,P

### SUDAN

Mediterranean Engineering & Trading  
Co. Ltd.  
P.O. Box 1025  
KHARTOUM  
Tel: 41184  
Telex: 24052  
C,P

### SWITZERLAND

Hewlett-Packard (Schweiz) AG  
Clarastrasse 12  
CH-4058 BASEL  
Tel: (61) 33-59-20  
A,C,E,P  
Hewlett-Packard (Schweiz) AG  
7, rue du Bois-du-Lan  
Case postale 365  
CH-1217 MEYRIN 1  
Tel: (0041) 22-83-11-11  
Telex: 27333 HPAG CH  
A,C,CM,E,M,P

Hewlett-Packard (Schweiz) AG  
Allmend 2  
CH-8967 WIDEN  
Tel: (0041) 57 31 21 11  
Telex: 53833 hpag ch  
Cable: HPAG CH  
A,C,CM,E,M,P

Hewlett-Packard (Schweiz) AG  
Schwamendingenstrasse 10  
8050 ZÜRICH  
Tel: (0041) 1 315 81 81  
Telex: 823 537 HPAG CH  
C,P

### SYRIA

General Electronic Inc.  
Nuri Basha Ahnal Ebn Kays Street  
P.O. Box 5781

DAMASCUS  
Tel: 33-24-87  
Telex: 411 215  
Cable: ELECTROBOR DAMASCUS  
E

Middle East Electronics  
P.O. Box 2308  
Abu Rumaneh  
DAMASCUS  
Tel: 33 45 92  
Telex: 411 771  
M

### TAIWAN

Hewlett-Packard Taiwan Ltd.  
THM Office  
2, Huan Nan Road  
CHUNG LI, Taoyuan  
Tel: (034) 929-668  
C

Hewlett-Packard Taiwan Ltd.  
Kaohsiung Office  
11/F, 456, Chung Hsiao 1st Road  
KAOHSIUNG  
Tel: (07) 2412318  
C,E

Hewlett-Packard Taiwan Ltd.  
8th Floor, Hewlett-Packard Building  
337 Fu Hsing North Road  
TAIPEI

Tel: (02) 712-0404  
Telex: 24439 HEWPACK  
Cable: HEWPACK Taipei  
A,C,CM,E,M,P

Ing Lih Trading Co.  
6th Floor, 112, Sec. 1,  
Chung Hsiao East Road  
TAIPEI 100  
Tel: (02) 394-8191  
Telex: 22894 SANKWANG  
A

### THAILAND

Unimesa Co. Ltd.  
30 Patpong Ave., Suriwong  
BANGKOK 10500  
Tel: 235-5727, 234-0991/3  
Telex: 84439 Simonco TH  
Cable: UNIMESA Bangkok  
A,C,E,M

**Bangkok Business Equipment Ltd.**

5/5-6 Dejo Road  
**BANGKOK**  
Tel: 234-8670, 234-8671  
Telex: 87699-BEQUIPT TH  
Cable: BUSIQUIPT Bangkok  
P

**TOGO**

Societe Africaine De Promotion  
B.P. 12271

**LOME**

Tel: 21-62-88  
Telex: 5304  
P

**TRINIDAD & TOBAGO**

Caribbean Telecoms Ltd.  
Corner McAllister Street &  
Eastern Main Road, Laventille  
P.O. Box 732  
**PORT-OF-SPAIN**  
Tel: 624-4213

Telex: 22561 CARTEL WG  
Cable: CARTEL, PORT OF SPAIN  
C,M,E,M,P

Computer and Controls Ltd.  
P.O. Box 51

66 Independence Square

**PORT-OF-SPAIN**

Tel: 623-4472  
Telex: 3000 POSTLX WG, ACCT  
LOOGO AGENCY 1264

A,P

Feral Assoc.  
8 Fitzgerald Lane

**PORT-OF-SPAIN**

Tel: 62-36864, 62-39255  
Telex: 22432 FERALCO  
Cable: FERALCO  
M

**TUNISIA**

Tunisie Electronique S.A.R.L.  
31 Avenue de la Liberte

**TUNIS**

Tel: 290-144  
C,E,P

Tunisie Electronique S.A.R.L.  
94, Av. Jugurtha, Mutuelleville  
1002 **TUNIS-BELVEDERE**

Tel: 280144

Telex: 13238

C,E,P

Corema S.A.

1 ter. Av. de Carthage

**TUNIS**

Tel: 253-821

Telex: 12319 CABAM TN

M

**TURKEY**

E.M.A

Mediha Eidem Sokak No. 41/6

Yenisehir

**ANKARA**

Tel: 319175

Telex: 42321 KTX TR

Cable: EMATRADE ANKARA

M

**Teknim Company Ltd.**

Iran Caddesi No. 7  
Karaklidere

**ANKARA**

Tel: 275800  
Telex: 42155 TKNM TR  
C,E

Kurt & Kurt A.S.

Mithatpasa Caddesi No. 75

Kat 4 Kizilay

**ANKARA**

Tel: 318875/6/7/8  
Telex: 42490 MESR TR  
A

Saniva Bilgisayar Sistemleri A.S.

Buyukdere Caddesi 103/6

Gayrettepe

**ISTANBUL**

Tel: 1673180

Telex: 26345 SANI TR

C,P

Best Inc.

Esentepe, Gazeteciler Sitesi

Keekin Kalem

Sokak 6/3, Gayrettepe

**ISTANBUL**

Tel: 172 1328, 173 3344

Telex: 42490

A

**UNITED ARAB**

**EMIRATES**

Emilat Ltd.

P.O. Box 1641

**SHARJAH**

Tel: 591181

Telex: 68136 EMITAC EM

Cable: EMITAC SHARJAH

E,C,M,P,A

Emilat Ltd.

P.O. Box 2711

**ABU DHABI**

Tel: 820419-20

Cable: EMITACH ABUDHABI

Emilat Ltd.

P.O. Box 8391

**DUBAI**

Tel: 377591

Emilat Ltd.

P.O. Box 473

**RAS AL KHAIMAH**

Tel: 28133, 21270

**UNITED KINGDOM**

**ENGLAND**

Hewlett-Packard Ltd.

Miller House

The Ring, **BRACKNELL**

Berks RG12 1XN

Tel: 0344 424898

Telex: 848733

E

Hewlett-Packard Ltd.

Elstree House, Elstree Way

**BOREHAMWOOD**, Herts WD6 1SG

Tel: 01 207 5000

Telex: 8952716

C,E

**Hewlett-Packard Ltd.**

Oakfield House, Oakfield Grove

Clifton **BRISTOL**, Avon BS8 2BN

Tel: 0272 736606

Telex: 444302

C,E,P

Hewlett-Packard Ltd.

9 Bridewell Place

**LONDON EC4V 6BS**

Tel: 01 583 6565

Telex: 298163

C,P

Hewlett-Packard Ltd.

Pontefract Road

**NORMANTON**, West Yorkshire WF6 1RN

Tel: 0924 895566

Telex: 557355

C,P

Hewlett-Packard Ltd.

The Quadrangle

106-118 Station Road

**REDHILL**, Surrey RH1 1PS

Tel: 0737 68655

Telex: 947234

C,E,P

Hewlett-Packard Ltd.

Avon House

435 Stratford Road

Shirley, **SOLIHULL**, West Midlands

B90 4BL

Tel: 021 745 8800

Telex: 339105

C,E,P

Hewlett-Packard Ltd.

Heathside Park Road

Cheadle Heath

**STOCKPORT**

Cheshire

SK3 ORB

Tel: 061-428-0828

Telex: 668068

A,C,E,M,P

Hewlett-Packard Ltd.

Harmon House

No. 1 George Street

**UXBRIDGE**, Middlesex UX8 1YN

Tel: 895 720 20

Telex: 893134/5

C,C,M,E,M,P

Hewlett-Packard Ltd.

King Street Lane

Winersh, **WOKINGHAM**

Berkshire RG11 5AR

Tel: 0734 784774

Telex: 847178

A,C,E,M,P

**NORTHERN IRELAND**

Hewlett-Packard (Ireland) Ltd.

Carrickfergus Industrial Centre

75 Belfast Road, Carrickfergus

**CO. ANTRIM BT38 8PM**

Tel: 09603 67333

C,E

Cardiac Services Company

95A Finaghy Road South

**BELFAST, BT10 0BY**

Tel: 0232-625566

Telex: 747626

M

**SCOTLAND**

Hewlett-Packard Ltd.

1/3 Springburn Place

College Milton North

**EAST KILBRIDE, G74 3NU**

Tel: 03552-48261

Telex: 779615

C,E

Hewlett-Packard Ltd.

**SOUTH QUEENSFERRY**

West Lothian, EH30 9TG

Tel: 031 331 1188

Telex: 72682

C,C,M,E,M,P

**UNITED STATES**

**Alabama**

Hewlett-Packard Co.

2100 Riverchase Center

Building 100 - Suite 118

**BIRMINGHAM, AL 35244**

Tel: (205) 988-0547

A,C,M,P\*

Hewlett-Packard Co.

420 Wynn Drive

**HUNTSVILLE, AL 35805**

Tel: (205) 830-2000

C,C,M,E,M\*

**Alaska**

Hewlett-Packard Co.

3601 C St. St. Suite 1416

**ANCHORAGE, AK 99503**

Tel: (907) 563-8855

C,E

**Arizona**

Hewlett-Packard Co.

8080 Pointe Parkway West

**PHOENIX, AZ 85044**

Tel: (602) 273-8000

A,C,C,M,E,M,P

Hewlett-Packard Co.

3400 East Britannia Dr.

Bldg. C, Suite 124

**TUCSON, AZ 85706**

Tel: (602) 573-7400

C,E,M\*

**California**

Hewlett-Packard Co.

99 South Hill Dr.

**BRISBANE, CA 94005**

Tel: (415) 330-2500

C

Hewlett-Packard Co.

5060 E. Clinton Avenue, Suite 102

**FRESNO, CA 93727**

Tel: (209) 252-9652

C,M

Hewlett-Packard Co.

1421 S. Manhattan Av.

**FULLERTON, CA 92631**

Tel: (714) 999-6700

C,C,M,E,M

Hewlett-Packard Co.

7408 Hollister Ave. #A

**GOLETA, CA 93117**

Tel: (805) 685-6100

C,E



## SALES & SUPPORT OFFICES

Arranged alphabetically by country

### UNITED STATES (Cont'd)

Hewlett-Packard Co.  
2525 Grand Avenue  
**LONG BEACH, CA 90815**  
Tel: (213) 498-1111  
C

Hewlett-Packard Co.  
5651 West Manchester Ave.  
**LOS ANGELES, CA 90045**  
Tel: (213) 337-8000  
Telex: 910-325-6608  
C,M

Hewlett-Packard Co.  
3155 Porter Drive  
**PALO ALTO, CA 94304**  
Tel: (415) 857-8000  
C,E

Hewlett-Packard Co.  
4244 So. Market Court, Suite A  
**SACRAMENTO, CA 95834**  
Tel: (916) 929-7222  
A\*,C,E,M

Hewlett-Packard Co.  
9606 Aero Drive  
**SAN DIEGO, CA 92123**  
Tel: (619) 279-3200  
C,C,M,E,M

Hewlett-Packard Co.  
5725 W. Las Positas Blvd.  
**PLEASANTON, CA 94566**  
Tel: (415) 460-0282  
C

Hewlett-Packard Co.  
3003 Scott Boulevard  
**SANTA CLARA, CA 95054**  
Tel: (408) 988-7000  
Telex: 910-338-0586  
A,C,C,M,E

Hewlett-Packard Co.  
2150 W. Hillcrest Dr.  
**THOUSAND OAKS, CA 91320**  
(805) 373-7000  
C,C,M,E

### Colorado

Hewlett-Packard Co.  
2945 Center Green Court South  
Suite A  
**BOULDER, CO 80301**  
Tel: (303) 499-8655  
A,C,E

Hewlett-Packard Co.  
24 Inverness Place, East  
**ENGLEWOOD, CO 80112**  
Tel: (303) 649-5000  
A,C,C,M,E,M

### Connecticut

Hewlett-Packard Co.  
500 Sylvan Av.  
**BRIDGEPORT, CT 06606**  
Tel: (203) 371-6454  
C,E

Hewlett-Packard Co.  
47 Barnes Industrial Road South  
**WALLINGFORD, CT 06492**  
Tel: (203) 265-7801  
A,C,C,M,E,M

### Florida

Hewlett-Packard Co.  
2901 N.W. 62nd Street  
**FORT LAUDERDALE, FL 33309**  
Tel: (305) 973-2600  
C,E,M,P\*

Hewlett-Packard Co.  
6800 South Point Parkway  
Suite 301  
**JACKSONVILLE, FL 32216**  
Tel: (904) 636-9955  
C\*\*,M\*\*

Hewlett-Packard Co.  
255 East Drive, Suite B  
**MELBOURNE, FL 32901**  
Tel: (305) 729-0704  
C,M,E

Hewlett-Packard Co.  
6177 Lake Ellenor Drive  
**ORLANDO, FL 32809**  
Tel: (305) 859-2900  
A,C,C,M,E,P\*

Hewlett-Packard Co.  
4700 Bayou Blvd.  
Building 5  
**PENSACOLA, FL 32503**  
Tel: (904) 476-8422  
A,C,M

Hewlett-Packard Co.  
5550 W. Idlewild, #150  
**TAMPA, FL 33614**  
Tel: (813) 884-3282  
C,E,M,P

### Georgia

Hewlett-Packard Co.  
2000 South Park Place  
**ATLANTA, GA 30339**  
Tel: (404) 955-1500  
Telex: 810-766-4890  
A,C,C,M,E,M,P\*

Hewlett-Packard Co.  
3807 Parkway Lane  
Suite 300  
**NORCROSS, GA 30092**  
Tel: (404) 448-1894  
C,E,P

### Hawaii

Hewlett-Packard Co.  
Kawalaha Plaza, Suite 190  
567 South King Street  
**HONOLULU, HI 96813**  
Tel: (808) 526-1555  
A,C,E,M

### Idaho

Hewlett-Packard Co.  
11309 Chinden Blvd.  
**BOISE, ID 83707**  
Tel: (208) 923-2700  
C

### Illinois

Hewlett-Packard Co.  
304 Eldorado Road  
P.O. Box 1607  
**BLOOMINGTON, IL 61701**  
Tel: (309) 862-9411  
A,C,E,M\*\*

Hewlett-Packard Co.  
525 W. Monroe, #1308  
**CHICAGO, IL 60606**  
Tel: (312) 930-0010  
C

Hewlett-Packard Co.  
1200 East Diehl Road  
**NAPERVILLE, IL 60566**  
Tel: (312) 357-8800  
C

Hewlett-Packard Co.  
5201 Tollivew Drive  
**ROLLING MEADOWS, IL 60008**  
Tel: (312) 255-9800  
Telex: 910-687-1066  
A,C,C,M,E,M

### Indiana

Hewlett-Packard Co.  
11911 N. Meridian St.  
**CARMEL, IN 46032**  
Tel: (317) 844-4100  
A,C,C,M,E,M

Hewlett-Packard Co.  
111 E. Ludwig Road  
Suite 108  
**FT. WAYNE, IN 46825**  
Tel: (219) 482-4283  
C,E

### Iowa

Hewlett-Packard Co.  
4070 22nd Av. SW  
**CEDAR RAPIDS, IA 52404**  
Tel: (319) 390-4250  
C,E,M

Hewlett-Packard Co.  
4201 Corporate Dr.  
**WEST DES MOINES, IA 50265**  
Tel: (515) 224-1435  
A\*\*,C,M\*\*

### Kansas

Hewlett-Packard Co.  
7804 East Funston Road, Suite 203  
**WICHITA, KS 67207**  
Tel: (316) 684-8491  
C,E

### Kentucky

Hewlett-Packard Co.  
10300 Linn Station Road, Suite 100  
**LOUISVILLE, KY 40223**  
Tel: (502) 426-0100  
A,C,M

### Louisiana

Hewlett-Packard Co.  
160 James Drive East  
**ST. ROSE, LA 70087**  
P.O. Box 1449  
**KENNER, LA 70083**  
Tel: (504) 467-4100  
A,C,E,M,P

### Maryland

Hewlett-Packard Co.  
3701 Koppers Street  
**BALTIMORE, MD 21227**  
Tel: (301) 644-5800  
Telex: 710-862-1943  
A,C,C,M,E,M

Hewlett-Packard Co.  
2 Choke Cherry Road  
**ROCKVILLE, MD 20856**  
Tel: (301) 948-6370  
A,C,C,M,E,M

### Massachusetts

Hewlett-Packard Co.  
1775 Minuteman Road  
**ANDOVER, MA 01810**  
Tel: (617) 682-1500  
A,C,C,M,E,M,P\*

Hewlett-Packard Co.  
32 Hartwell Avenue  
**LINCOLN, MA 02173**  
Tel: (617) 861-8960  
C,E

### Michigan

Hewlett-Packard Co.  
4326 Cascade Road S.E.  
**GRAND RAPIDS, MI 49506**  
Tel: (616) 957-1970  
C,M

Hewlett-Packard Co.  
39550 Orchard Hill Place Drive  
**NOVI, MI 48050**  
Tel: (313) 349-9200  
A,C,E,M

Hewlett-Packard Co.  
1771 W. Big Beaver Road  
**TROY, MI 48064**  
Tel: (312) 643-6474  
C

### Minnesota

Hewlett-Packard Co.  
2025 W. Larpentour Ave.  
**ST. PAUL, MN 55113**  
Tel: (612) 644-1100  
A,C,C,M,E,M

### Missouri

Hewlett-Packard Co.  
1001 E. 101st Terrace Suite 120  
**KANSAS CITY, MO 64131-3368**  
Tel: (816) 941-0411  
A,C,C,M,E,M

Hewlett-Packard Co.  
13001 Hollenberg Drive  
**BRIDGETON, MO 63044**  
Tel: (314) 344-5100  
A,C,E,M

### Nebraska

Hewlett-Packard  
11626 Nicholas St.  
**OMAHA, NE 68154**  
Tel: (402) 493-0300  
C,E,M

### New Jersey

Hewlett-Packard Co.  
120 W. Century Road  
**PARAMUS, NJ 07653**  
Tel: (201) 265-5000  
A,C,C,M,E,M

Hewlett-Packard Co.  
20 New England Av. West  
**PISCATAWAY, NJ 08854**  
Tel: (201) 562-6100  
A,C,C,M,E



### New Mexico

Hewlett-Packard Co.  
7801 Jefferson N.E.  
ALBUQUERQUE, NM 87109  
Tel: (505) 823-6100  
C,E,M

Hewlett-Packard Co.  
1460 Trinity Dr., Suite 3  
LOS ALAMOS, NM 87544  
Tel: (505) 662-6700  
C,E

### New York

Hewlett-Packard Co.  
5 Computer Drive South  
ALBANY, NY 12205  
Tel: (518) 458-1550  
A,C,E,M

Hewlett-Packard Co.  
9600 Main Street  
CLARENCE, NY 14031  
Tel: (716) 759-8621  
C,E

Hewlett-Packard Co.  
200 Cross Keys Office Park  
FAIRPORT, NY 14450  
Tel: (716) 223-9950  
A,C,CM,E,M

Hewlett-Packard Co.  
7641 Henry Clay Blvd.  
LIVERPOOL, NY 13088  
Tel: (315) 451-1820  
A,C,CM,E,M

Hewlett-Packard Co.  
No. 1 Pennsylvania Plaza  
55th Floor  
34th Street & 8th Avenue  
MANHATTAN NY 10119  
Tel: (212) 971-0800  
C,M\*

Hewlett-Packard Co.  
15 Myers Corner Rd.  
Hollowbrook Park, Suite 2D  
WAPPINGER FALLS, NY 12590  
Tel: (914) 298-9125  
CM,E

Hewlett-Packard Co.  
2975 Westchester Avenue  
PURCHASE, NY 10577-2590  
Tel: (914) 935-6300  
C,CM,E

Hewlett-Packard Co.  
3 Crossways Park West  
WOODBURY, NY 11797  
Tel: (516) 682-7800  
A,C,CM,E,M

### North Carolina

Hewlett-Packard Co.  
305 Gregson Dr.  
CARY, NC 27511  
Tel: (919) 467-6600  
C,CM,E,M,P\*

Hewlett-Packard Co.  
9600-H Southern Pine Blvd.  
CHARLOTTE, NC 28210  
Tel: (704) 527-8780  
C\*

Hewlett-Packard Co.  
5605 Roanne Way  
GREENSBORO, NC 27420  
Tel: (919) 852-1800  
A,C,CM,E,M,P\*

### Ohio

Hewlett-Packard Co.  
2717 S. Arlington Road  
AKRON, OH 44312  
Tel: (216) 644-2270  
C,E

Hewlett-Packard Co.  
4501 Erskine Road  
CINCINNATI, OH 45242  
Tel: (513) 891-9870  
C,M

Hewlett-Packard Co.  
15885 Sprague Road  
CLEVELAND, OH 44136  
Tel: (216) 243-7300  
A,C,CM,E,M

Hewlett-Packard Co.  
9080 Springboro Pike  
MIAMISBURG, OH 45342  
Tel: (513) 433-2223  
A,C,CM,E\*,M

Hewlett-Packard Co.  
One Maritime Plaza, 5th Floor  
720 Water Street  
TOLEDO, OH 43604  
Tel: (419) 242-2200  
C

Hewlett-Packard Co.  
675 Brookside Blvd.  
WESTERVILLE, OH 43081  
Tel: (614) 891-3344  
C,CM,E\*

### Oklahoma

Hewlett-Packard Co.  
3525 N.W. 56th St.  
Suite C-100  
OKLAHOMA CITY, OK 73112  
Tel: (405) 946-9499  
C,E\*,M

Hewlett-Packard Co.  
3840 S. 103rd E. Ave., #100  
TULSA, OK 74146  
Tel: (918) 665-3300  
A\*\*,C,E,M\*,P\*

### Oregon

Hewlett-Packard Co.  
9255 S. W. Pioneer Court  
WILSONVILLE, OR 97070  
Tel: (503) 682-8000  
A,C,E\*,M

### Pennsylvania

Hewlett-Packard Co.  
50 Dorchester Rd.  
HARRISBURG, PA 17112  
Tel: (717) 657-5900  
C

Hewlett-Packard Co.  
111 Zeta Drive  
PITTSBURGH, PA 15238  
Tel: (412) 782-0400  
A,C,E,M

Hewlett-Packard Co.  
2750 Monroe Boulevard  
VALLEY FORGE, PA 19482  
Tel: (215) 666-9000  
A,C,CM,E,M

### South Carolina

Hewlett-Packard Co.  
Brookside Park, Suite 122  
1 Harbison Way  
COLUMBIA, SC 29210  
Tel: (803) 732-0400  
C,M

Hewlett-Packard Co.  
545 N. Plessantburg Dr.  
Suite 100  
GREENVILLE, SC 29607  
Tel: (803) 232-8002  
C

### Tennessee

Hewlett-Packard Co.  
One Energy Center, Suite 200  
Pelissippi Pkwy.  
KNOXVILLE, TN 37932  
Tel: (615) 966-4747  
A,C,M

Hewlett-Packard Co.  
3070 Directors Row  
Directors Square  
MEMPHIS, TN 38131  
Tel: (901) 346-8370  
A,C,M

Hewlett-Packard Co.  
220 Great Circle Road, Suite 116  
NASHVILLE, TN 37228  
Tel: (615) 255-1271  
A,C,E,M,P

### Texas

Hewlett-Packard Co.  
1826-P Kramer Lane  
AUSTIN, TX 78758  
Tel: (512) 835-6771  
C,E,P\*

Hewlett-Packard Co.  
5700 Cromo Dr  
EL PASO, TX 79912  
Tel: (915) 833-4400  
C,E\*,M\*\*

Hewlett-Packard Co.  
3952 Sandshell Drive  
FORT WORTH, TX 76137  
Tel: (817) 232-9500  
C

Hewlett-Packard Co.  
10535 Harwin Drive  
HOUSTON, TX 77036  
Tel: (713) 776-6400  
A,C,E,M,P\*

Hewlett-Packard Co.  
3301 Royal Lane  
IRVING, TX 75063  
Tel: (214) 889-3377  
C,E

Hewlett-Packard Co.  
109 E. Toronto, Suite 100  
MCALLEN, TX 78503  
Tel: (512) 600-3030  
C

Hewlett-Packard Co.  
930 E. Campbell Rd.  
RICHARDSON, TX 75081  
Tel: (214) 231-6101  
A,C,CM,E,M,P\*

Hewlett-Packard Co.  
1020 Central Parkway South  
SAN ANTONIO, TX 78232  
Tel: (512) 494-9336  
A,C,E,M,P\*

### Utah

Hewlett-Packard Co.  
3530 W. 2100 South St.  
SALT LAKE CITY, UT 84119  
Tel: (801) 974-1700  
A,C,E,M

### Virginia

Hewlett-Packard Co.  
840 Greenbrier Circle  
Suite 101  
CHESAPEAKE, VA 23320  
Tel: (804) 424-7105  
C,E,M

Hewlett-Packard Co.  
4305 Cox Road  
GLEN ALLEN, VA 23060  
Tel: (804) 747-7750  
A,C,E,M,P\*

Hewlett-Packard Co.  
Tanglewood West Bldg.  
Suite 240  
3859 Electric Road  
ROANOKE, VA 24018  
Tel: (703) 774-3444  
C,E,P

### Washington

Hewlett-Packard Co.  
15815 S.E. 37th Street  
BELLEVUE, WA 98006  
Tel: (206) 643-4000  
A,C,CM,E,M

Hewlett-Packard Co.  
North 708 Argonne Road  
SPOKANE, WA 99212-2793  
Tel: (509) 922-7000  
C

### West Virginia

Hewlett-Packard Co.

501 56th Street  
CHARLESTON, WV 25304  
Tel: (414) 925-0492  
A,C,M

### Wisconsin

Hewlett-Packard Co.  
2705 N. Corporate Dr.  
BROOKFIELD, WI 53005  
Tel: (414) 794-8800  
A,C,E\*,M

### URUGUAY

Pablo Ferrando S.A.C. e. l.  
Avenida Italia 2877  
Casilla de Correo 370  
MONTEVIDEO  
Tel: 60-3805  
Telex: Public Booth 901  
A,CM,E,M



## SALES & SUPPORT OFFICES

Arranged alphabetically by country

### URUGUAY (Cont'd)

Olympia de Uruguay S.A.  
Maquinas de Oficina  
Avda. del Libertador 1997  
Casilla de Correos 6644  
**MONTEVIDEO**  
Tel: 91-1809, 98-3807  
Telex: 6342 OROU UY  
P

### VENEZUELA

Hewlett-Packard de Venezuela C.A.  
3A Transversal Los Ruices Norte  
Edificio Segre 2 & 3  
Apartado 50933  
**CARACAS 1050**  
Tel: (582) 239-4133  
Telex: 251046 HEWPACK  
A,C,CM,E,M,P  
Hewlett-Packard de Venezuela, C.A.  
Centro Ciudad Comercial Tamanaco  
Nivel C-2 (Nueva Etapa)  
Local 53H05  
Chacao, **CARACAS**  
Tel: 928291  
P  
Albis Venezolana S.R.L.  
Av. Las Marias, Ota. Aliz,  
El Pedregal  
Apartado 81025  
**CARACAS 1080A**  
Tel: 747984, 742146  
Telex: 24009 ALBIS VC  
A

Tecnologica Medica del Caribe, C.A.  
Multicentro Empresarial del Este  
Ave. Libertador  
Edif. Libertador  
Nucleo "C" - Oficina 51-52  
**CARACAS**  
Tel: 339867/333780  
M  
Hewlett-Packard de Venezuela C.A.  
Residencias Tia Betty Local 1  
Avenida 3 y con Calle 75  
**MARACAIBO**, Estado Zulia  
Apartado 2646  
Tel: (5861) 80304  
Telex: 62464 HPMAR  
C,E\*  
Hewlett-Packard de Venezuela C.A.  
Urb. Lomas de Este  
Torre Trebol - Piso 11  
**VALENCIA**, Estado Carabobo  
Apartado 3347  
Tel: (5841) 222992  
C,P  
**YUGOSLAVIA**  
Do Hermes  
General Zdanova 4  
**YU-11000 BEOGRAD**  
Tel: (011) 342 641  
Telex: 11433  
A,C,E,M,P

Do Hermes  
Celovska 73  
**YU-61000 LJUBLJANA**  
Tel: (061) 553 170  
Telex: 315583  
A,C,E,M,P  
Elektrotehna  
Titova 51  
**YU-61000 LJUBLJANA**  
CM  
Do Hermes  
Kralja Tomislava 1  
**YU-71000 SARAJEVO**  
Tel: (071) 35 859  
Telex: 41634  
C\*\*P

### ZAIRE

Computer & Industrial Engineering  
25, Avenue de la Justice  
B.P. 12797  
**KINSHASA**, Gombe  
Tel: 32063  
Telex: 21552  
C,P

### ZAMBIA

R.J. Tilbury (Zambia) Ltd.  
P.O. Box 32792  
**LUSAKA**  
Tel: 215580  
Telex: 40128  
E

### ZIMBABWE

Field Technical Sales (Private) Limited  
45, Kelvin Road North  
P.O. Box 3458  
**SALISBURY**  
Tel: 705 231  
Telex: 4-122 RH  
E,P

August 1986



Part No. 30248-90006  
Printed in U.S.A. 06/84  
E0684

