



HP-IB Command Library Quick Reference

Command Library

IOABORT (*select_code*)

Aborts all activity on the interface.

IOCLEAR (*device_address* or *select_code*)

Returns a device to a known, device-dependent state.

IOCONTROL (*select_code*, *condition*, *status*)

Sets status conditions in the interface.

IODMA (*select_code*, *value*, *channel*)

Sets up DMA control.

IOENTER (*device_address* or *select_code*, *data_REF*)

Reads a single real number.

IOENTERA (*device_address* or *select_code*, *readings*, *max.elements*, *actual.elements*)

*(*device_address* or *select_code*, *readings_REF*, *elements_REF*)

Reads an array of real numbers from a device or the interface.

IOENTERAB (*device_address* or *select_code*, *data*, *max.bytes*, *actual.bytes*, *swapsize*)

Enters IEEE-488.2 arbitrary-block program data from a device or the interface.

IOENTERB (*device_address* or *select_code*, *data*, *max.bytes*, *actual.bytes*, *swapsize*)

*(*device_address* or *select_code*, *data_REF*, *bytes_REF*, *swapsize*)

Enters binary data from a device or the interface.

IOENTERS (*device_address* or *select_code*, *data*, *max.length*, *actual.length*)

*(*device_address* or *select_code*, *data_REF*, *length_REF*)

Enters a character string from a device or the interface.

IOEOI (*select_code*, *state*)

Enables or disables the EOI mode of the interface.

IOEOL (*select_code*, *endline_REF*, *length*)

Defines the End Of Line string.

IOFASTOUT (*select_code*, *state*)

Enables or disables high-speed bus timing for output transfers.

IOGETTERM (*select_code, reason_REF*)

Determines the reason the last read terminated.

IOLLOCKOUT (*select_code*)

Sends a Local Lockout to disable a device front panel.

IOLOCAL (*device_address or select_code*)

Executes a Go To Local to enable a device front panel.

IOMATCH (*select_code, character, flag*)

Defines the character for ending an IOENTERB or IOENTERS operation.

IOOUTPUT (*device_address or select_code, data*)

Outputs a real number to a device or to the interface.

IOOUTPUTA (*device_address or select_code, data_REF, elements*)

Outputs an array of real numbers to a device or to the bus.

IOOUTPUTAB (*device_address or select_code, data_REF, bytes, swapsize*)

Outputs IEEE-488.2 arbitrary-block response data to a device or to the bus.

IOOUTPUTB (*device_address or select_code, data_REF, bytes, swapsize*)

Outputs binary data to a device or to the bus.

IOOUTPUTS (*device_address or select_code, data_REF, length*)

Outputs a string to a device or to the interface.

IOPEN (*select_code, priority*)

Enables the interface to detect HP-IB service requests and process them (BASIC only).

IOPPOLL (*select_code, response_REF*)

Performs a parallel poll of the interface.

IOPPOLLC (*device_address or select_code, configuration*)

Performs a Parallel Poll Configure.

IOPPOLLU (*device_address or select_code*)

Performs a Parallel Poll Unconfigure.

IOREMOTE (*device_address or select_code*)

Places a device in Remote mode to disable the device front panel.

IORESET (*select_code*)

Sets the interface to its start-up state.

IOSEND (*select_code, commands_REF, length*)

Sends any sequence of HP-IB commands to the interface.

IOSPOLL (*device_address, response_REF*)

Performs a serial poll of a device.

IOSTATUS (*select_code, condition, status_REF*)

Determines the current interface status for a particular condition.

IOTIMEOUT (*select_code, timeout*)

Sets an interface timeout value for I/O operations that do not complete.

IOTRIGGER (*device_address or select_code*)

Triggers one or more devices.

_REF means the parameter is passed by reference.

* Indicates parameter syntax for Pascal and C.

Command Library Errors

BASIC	Pascal/C	Mnemonic	Meaning
0	0	NOERR	No error occurred.
100001	1	EUNKNOWN	Unspecified error.
100002	2	ESEL	Invalid select code or device address.
100003	3	ERANGE	Parameter out of range.
100004	4	ETIME	Timeout.
100005	5	ECTRL	Interface must be controller.
100006	6	EPASS	Pass control not allowed.
100007	7	ENUM	Invalid number read.
100008	8	EADDR	Improper addressing.

