

MouGetNumQueEl

Bindings: C, MASM

This call returns the current status for the mouse device driver event queue.

MouGetNumQueEl (QueDataRecord, DeviceHandle)

QueDataRecord (**PMOUQUEINFO**) - output Address of the mouse queue status structure:

numqelements (**USHORT**) Current number of event queue elements, in the range 0 <> *value* <> *maxnumqelements*.

maxnumqelements (**USHORT**) Maximum number of queue elements as specified in the QSIZE = NN parameter in DEVICE=MOUSExxx.SYS statement in CONFIG.SYS.

DeviceHandle (**HMOU**) - input Contains the handle of the mouse device obtained from a previous *MouOpen*.

rc (**USHORT**) - return Return code descriptions are:

| | |
|-----|------------------------|
| 0 | NO_ERROR |
| 385 | ERROR_MOUSE_NO_DEVICE |
| 466 | ERROR_MOU_DETACHED |
| 501 | ERROR_MOUSE_NO_CONSOLE |
| 505 | ERROR_MOU_EXTENDED_SG |

Remarks

The *maxnumqelements* returned by this function is established during mouse device driver configuration. See the mouse DEVICE=MOUSExxx.SYS statement in the IBM Operating System/2 Version 1.2 Command Reference for further details.

C bindings

```
typedef struct _MOUQUEINFO { /* mouqi */
    USHORT cEvents; /* current number of event queue elements */
    USHORT cmaxEvents; /* MaxNumQueueElements value */
} MOUQUEINFO;

#define INCL_MOU

USHORT rc = MouGetNumQueEl(QueDataRecord, DeviceHandle);

PMOUQUEINFO QueDataRecord; /* Ptr to 2-word structure */
HMOU DeviceHandle; /* Mouse device handle */

USHORT rc; /* return code */
```

MASM bindings

```
MOUQUEINFO struc
    mouqi_cEvents    dw    ? ;current number of event queue elements
    mouqi_cmaxEvents dw    ? ;MaxNumQueueElements value
MOUQUEINFO ends
```

```
EXTRN  MouGetNumQueueEl:FAR
INCL_MOU      EQU 1
```

```
PUSH@  OTHER    QueDataRecord ;Ptr to 2-word structure
PUSH   WORD     DeviceHandle   ;Mouse device handle
CALL   MouGetNumQueueEl
```

Returns **WORD**

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