

```

/*****
*
*                               I S E V C . C
*
**-----**
*   Task                       : Tests for an active EGA or VGA card.
*
**-----**
*   Author                     : Michael Tischer
*   Developed on                : 08/06/90
*   Last update                 : 02/26/92
*
**-----**
*   (MICROSOFT C)
*   Compilation                 : CL /AS isevc.c
*
**-----**
*   (BORLAND TURBO C)
*   Compilation                 : Use the integrated development environment
*
**-----**
*   Call                        : isevc
*****/

```

```

#include <dos.h>                                /* Add include files */
#include <stdarg.h>
#include <stdio.h>

```

```

/*-- Constants -----*/

```

```

#define EGA_MONO 0                               /* EGA and MDA monitor */
#define EGA_COLOR 1                             /* EGA and EGA monitor */
#define VGA_MONO 2                               /* VGA and analog monochrome monitor */
#define VGA_COLOR 3                             /* VGA and VGA monitor */
#define NEITHERNOR 4                           /* No VGA, no EGA */

```

```

/*-- Type declarations -----*/

```

```
typedef unsigned char BYTE;
```

```
/*-----  
* IsEgaVga : Determines whether an EGA or a VGA card is installed. *  
*-----  
* Input : None *  
* Output : Taken from constants EGA_MONO, EGA_COLOR, etc. *  
*-----*/
```

```
BYTE IsEgaVga( void )
```

```
{  
    union REGS Regs;          /* Processor registers for interrupt call */  
  
    Regs.x.ax = 0x1a00;        /* Function 1AH applies to VGA only */  
    int86( 0x10, &Regs, &Regs );  
    if ( Regs.h.al == 0x1a )    /* Is the function available? */  
        switch ( Regs.h.bl )    /* Yes --> Pass code */  
        {  
            case 4 : return EGA_COLOR;  
            case 5 : return EGA_MONO;  
            case 7 : return VGA_MONO;  
            case 8 : return VGA_COLOR;  
            default : return NEITHERNOR;  
        }  
    else                        /* Not a VGA, but it may be an EGA */  
    {  
        Regs.h.ah = 0x12;        /* Call function 12H, */  
        Regs.h.bl = 0x10;        /* sub-function 10H */  
        int86(0x10, &Regs, &Regs );    /* Call video BIOS */  
        if ( Regs.h.bl != 0x10 )    /* EGA? */  
            return Regs.h.bh == 0 ? EGA_COLOR : EGA_MONO;    /* Yes */  
        else                        /* No */
```

```
    return NEITHERNOR;
}
}
```

```
/*
*****
*                               M A I N   P R O G R A M                               *
*****
*/
```

```
void main( void )
{
    printf( "ISEVP - (c) 1990, 1992 by Michael Tischer\n\n" );
    switch ( IsEgaVga() )
    {
        case NEITHERNOR :
            printf( "The active video card is neither EGA nor VGA");
            break;

        case EGA_MONO :
            printf( "This is an EGA card with an MDA monitor" );
            break;

        case EGA_COLOR :
            printf( "This is an EGA card with an EGA or " \
                "multiscan monitor" );
            break;

        case VGA_MONO :
            printf( "This is a VGA card with an analog monochrome monitor");
            break;

        case VGA_COLOR :
            printf( "This is a VGA card with a VGA or " \
```

```
        "multiscan monitor" );  
    }  
    printf( "\n\n" );  
}
```