

Note: This IBM PC BIOS API call is for DOS/Win16 personality only. Use Family API for portability.

Note: osFree Macro Library provides macros for most of functions

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@AuxInit

Brief

Initialize serial port

Syntax

```
@AuxInit port, settings
```

Parameters

- port (WORD) - port number
- settings (BYTE) - port settings

Baud rates is passed in the high order 3 bits as follows:

```
              000 =   110 baud
              001 =   150  ''
              010 =   300  ''
              011 =   600  ''
              100 =  1200  ''
              101 =  2400  ''
              110 =  4800  ''
              111 =  9600  ''
```

Bits 4-3 define parity:

```
              0 0       no parity
              1 0       no parity
              0 1      odd parity
              1 1     even parity
```

Bit 2 defines stop bits:

```
                0         1 stop bit;
                1         2
```

Bits 1-0 character length:

```
                1 0         7 bits
                1 1         8 bits
```

Return

- AX - port status

Bitfields for serial line status:

Bit(s)	Description
7	timeout
6	transmit shift register empty
5	transmit holding register empty
4	break detected
3	framing error
2	parity error
1	overrun error
0	receive data ready

Bitfields for modem status:

Bit(s)	Description
7	carrier detect
6	ring indicator
5	data set ready
4	clear to send
3	delta carrier detect
2	trailing edge of ring indicator
1	delta data set ready
0	delta clear to send

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