



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

2022/03/13 05:41 · prokushev · [0 Comments](#)

@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 baud
010	300 baud
011	600 baud
100	1200 baud
101	2400 baud
110	4800 baud
111	9600 baud

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 (AH):

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 (AL):

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

From:
<http://osfree.ru/doku/> - **osFree wiki**

Permanent link:
<http://osfree.ru/doku/doku.php?id=en:docs:macrolib:auxinit&rev=1649943623>

Last update: **2022/04/14 13:40**

