

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

BIOS Interrupt

INTH: H

Family API

fapi

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:

00	no parity
10	no parity
01	odd parity
11	even parity

Bit 2 defines stop bits:

0	1 stop bit
1	2 stop bits

Bits 1-0 character length:

10	7 bits
11	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

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