
Subject: RS-232 protocols on PC? - (nf)
Posted by [Anonymous](#) on Mon, 20 May 2013 03:32:02 GMT
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Originally posted by: mbr#64fortune.UUCP

Message-ID:
Date: Thu, 19-Apr-84 15:06:36 EST
Article-I.D.: fortune.3106
Posted: Thu Apr 19 15:06:36 1984
Date-Received: Fri, 20-Apr-84 02:16:10 EST
Sender: notes@fortune.UUCP
Organization: Fortune Systems, Redwood City, CA
Lines: 21

#N:fortune:14700012:000:602
fortune!mbr Apr 19 10:34:00 1984

I am writing code to do I/O using an RS-232 port on the IBM PC, and I need to support the following forms of handshaking:

software: DC1/DC3
ETX/ACK
hardware: DSR/DTR
CTS/RTS

I have read the section entitled "IBM Asynchronous Communications Adapter" (pp. 1-183 to 1-212) of the IBM PC/XT Technical Reference. I can find no information on how to set up handshaking. Do I have to code the protocol myself, or have I missed something in the documentation?

Please reply by mail. I will summarize to the net when the responses dwindle.

{ihnp4,ucbvax!amd70,hpda,sri-unix,harpo}!fortune!mbr

Subject: Re: RS-232 protocols on PC? - (nf)
Posted by [jph](#) on Mon, 20 May 2013 03:32:03 GMT
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Message-ID:
Date: Fri, 20-Apr-84 08:51:28 EST
Article-I.D.: whuxle.314
Posted: Fri Apr 20 08:51:28 1984

Date-Received: Sat, 21-Apr-84 01:17:41 EST
Sender: jph@whuxle.UUCP
Organization: Bell Labs, Whippany
Lines: 9

#R:fortune:14700012:whuxle:22700024:000:241
whuxle!jph Apr 20 08:51:00 1984

you have to write a routine to implement the protocol that you desire. The async support device only provide an interface to put/get characters from the comm line, with the assumptions that the user is handling any protocol related actions.

Subject: Re: RS-232 protocols on PC? - (nf)
Posted by [Anonymous](#) on Mon, 20 May 2013 03:32:08 GMT
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Originally posted by: mbr@fortune.UUCP

Message-ID:
Date: Tue, 24-Apr-84 15:05:22 EST
Article-I.D.: fortune.3146
Posted: Tue Apr 24 15:05:22 1984
Date-Received: Thu, 26-Apr-84 01:30:01 EST
Sender: notes@fortune.UUCP
Organization: Fortune Systems, Redwood City, CA
Lines: 10

#R:fortune:14700012:fortune:14700013:000:299
fortune!mbr Apr 24 10:57:00 1984

This is in reference to my question about how to do handshaking on an RS-232 port on the IBM PC. I've received several responses, all saying essentially the same thing: you have to code the protocol yourself. Many thanks to all who responded.

{ihnp4,ucbvax!amd70,hpda,sri-unix,harpo}!fortune!mbr

Subject: Re: RS-232 protocols on PC?

Posted by ron@bri-vgr.ARPA (Ron) on Mon, 20 May 2013 03:32:09 GMT
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Message-ID:
Date: Wed, 25-Apr-84 12:28:27 EST
Article-I.D.: bri-vgr.874
Posted: Wed Apr 25 12:28:27 1984
Date-Received: Fri, 27-Apr-84 00:15:43 EST
References:
Organization: Ballistics Research Lab
Lines: 7

Did you ever notice that in the PC glossary (obviously condensed from some larger IBM dictionary) that the following definitions appear:

DSR: Data Set Ready
DTR: Distribution Tape Reel

-Ron