ADVANTECH Enabling an Intelligent Planet

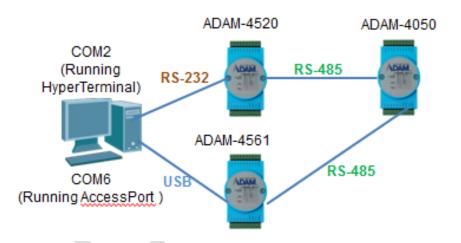
Date	2015/08/14	SR#	1-2187490471					
Category	■FAQ □SOP	Related OS	N/A					
Abstract	ADAM RS232/485 Serial Communication Issue Using HyperTerminal							
Keyword	ADAM, RS232, RS485, Serial, HyperTerminal							
Related	ADAM-4000 & ADAM-4100 Series							
Product								

Problem Description:

This document explains a common question regarding why fail to read/write IO of ADAM-4000 & ADAM-4100 from using HyperTerminal.

Brief Solution - Step by Step:

Testing Environment:

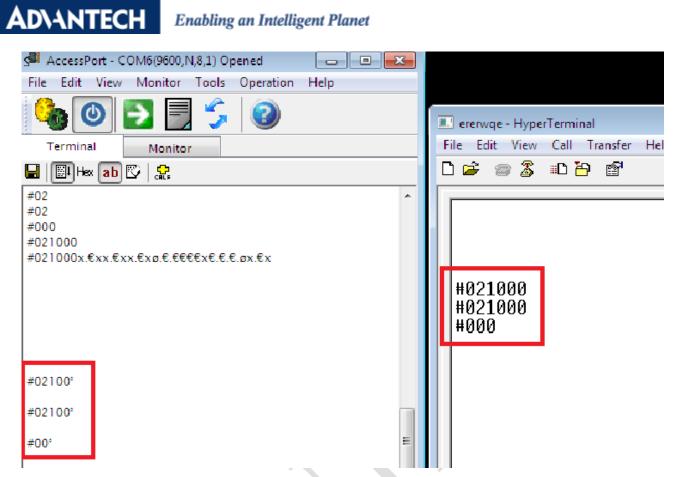


Purpose of installing ADAM-4561(i.e. USB-to-RS-485 Converter with COM6) is to setup utility "AccessPort", so that we can snoop what exact command being sent out from HyperTerminal via ADAM-4520, which is an quite useful debug tool for your reference (i.e. <u>http://accessport.en.lo4d.com</u>/)

According to test result, when a ASC command let's say "#021000" is being sent from HyperTerminal, the command actually been snooped on AccessPort at COM6 is "#02100° " as you can see from screenshot below.

Furthermore, we also observed that for any command consist of 3 consecutive "0" will end up this error.

For example, #000 => #00°



At this point, instead of using HyperTerminal, we test using two other different too for sending ASC command, the ADAM .Net Commander and Access Port.

As you can see from below, such ASC command being correctly delivered without interpret error, and therefore concluded HyperTerminal compatibility issue.

		🔨 💦 Advantech Adam/Apax .NET Utility (Win32) Version 2.05.05 (B03)	
	🚰 AccessPort - COM6(9600, N, 8, 1) Opened 📃 💼 💽	File Tools Setup Help	
	File Edit View Monitor Tools Operation Help	🕒 🔜 🔍 📲 🖋 🐌 🕨 🚳	
	🍋 🕘 🔁 🗲 🥝	En Serial	
	Terminal Monitor	堤 Adam Commander	
		Port: COM2	
Cor	#021000ÿ#021000	Baudrate: Baud_9600 Databits: Eight Timeout:	
	#000		
		Parity: None Stopbits: One Scan inter-	val:
		Advertise ACCII Juoppus J	
Rec		Advantech ASCII MODBUS	
		Command: #000	- [
		Response: ComPort_Recv_Fail	Í,
C			
		History: 12:22:46 #021000 12:22:46 >	
Cont		12:22:59 #000	
		12:23:00 ComPort_Recv_Fail	

ADVANTECH Enabling an Intelligent Planet

Ге П	Edit View	Monitor Tools	Operation	Help			Edit View	Monito	5		Help	
Send->	© Hex	Char	Plain Text	•	Real Time Senc	Send) Ch	ar	Plain Text	•	🔲 Real Tin