

DIAGNOSTIC BUFFER RETRIEVAL

These steps will help you understand the use of a MMC (similar in look to a SD card) with VIPA Speed7 PLCs. This only applies to a Speed7 PLC (look for the Speed7 logo on the front), particularly System 300S.

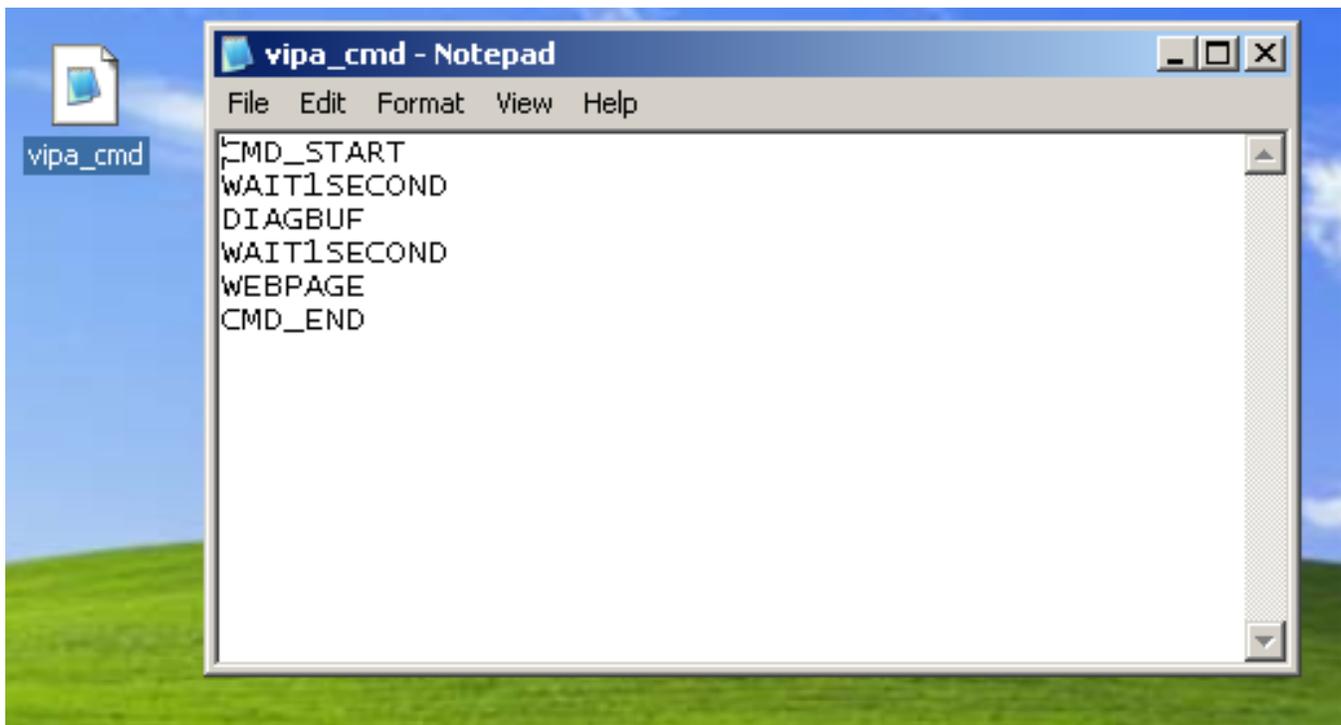
This document will give you an example of how to do the following:

- Retrieve diagnostic buffer
- Retrieve internal webpage

You will need a VIPA MMC (953-0KX10), a SD card reader, and a text editor.

1) you will need to create the command file **vipa_cmd.mmc** using your text editor (notepad.exe in Windows). To do this, right click on your desktop and create new text document. Give it the above name, making sure to change the extension from .txt to .mmc.

Using notepad, refer to this image:



Make sure it is written in ALL CAPS like it is above.

2) Save the file and copy it to your MMC.

3a) If the PLC is off, insert the MMC, power on, and watch for the MMC LED to light up for a few seconds then go off. The command is complete. The requested files are now on the MMC.

3b) If the PLC is on, switch the PLC to stop mode and insert the MMC. The MMC LED will light up for a few seconds then go off. The command is complete. The requested files are now on the MMC.

4) You may now pull the MMC out and insert into your computer. Verify the files "diagbuff.txt" and "webpage.htm" are present.

5) Email these files to support@vipausa.com.

Refer to the following table for a list of commands you can execute using the above steps.

Commands

Please regard the command sequence is to be started with *CMD_START* and ended with *CMD_END*.

Command	Description	Diagnostics entry
CMD_START	In the first line <i>CMD_START</i> is to be located.	0xE801
	There is a diagnostic entry if <i>CMD_START</i> is missing	0xE8FE
WAIT1SECOND	Waits ca. 1 second.	0xE803
WEBPAGE	The current web page of the CPU is stored at the MMC as "webpage.htm".	0xE804
LOAD_PROJECT	The function "Overall reset and reload from MMC" is executed. The wld file located after the command is loaded else "s7prog.wld" is loaded.	0xE805
SAVE_PROJECT	The recent project (blocks and hardware configuration) is stored as "s7prog.wld" at the MMC. If the file just exists it is renamed to "s7prog.old". If your CPU is password protected so you have to add this as parameter. Otherwise there is no project written. Example: SAVE_PROJECT password	0xE806
FACTORY_RESET	Executes "factory reset".	0xE807
DIAGBUF	The current diagnostics buffer of the CPU is stored as "diagbuff.txt" at the MMC.	0xE80B
SET_NETWORK	IP parameters for Ethernet PG/OP channel may be set by means of this command. The IP parameters are to be given in the order IP address, subnet mask and gateway in the format x.x.x.x each separated by a comma. Enter the IP address if there is no gateway used.	0xE80E
CMD_END	In the last line <i>CMD_END</i> is to be located.	0xE802