



FAQ / Application Note

Subject : Enable BMC VGA Using SOL

FAQ Document No:

Date: 2020/05/25

Model Name. HPM-246

Rev. 1.0

Category: General H/W S/W Others,

Purpose:

BMC VGA default is disabled, so the remote KVM is no function. To support KVM, we can use SOL (serial over LAN) to enable BMC VGA remotely.

To start SOL session using IPMITool from a management station:

1. Get IPMITool from Avalue.
2. At the command prompt, run the command to start SOL:
`ipmitool -I lanplus -H <BMC IP address> -U <login name> -P <login password> sol activate`

cmd. Select C:\Windows\System32\cmd.exe - ipmitool -I lanplus -H 192.168.1.56 -U admin -P admin sol activate

```
D:\Tools\BMC\ipmitool-1.8.18-cygwin-binary>ipmitool -I lanplus -H 192.168.1.56 -U admin -P admin sol activate
[SOL Session operational. Use ~? for help]
```

This connects the management station to the managed system's serial port.

3. If managed system is in OS or shutdown state, open another command prompt to reset or power on system.

Power on:

`ipmitool -I lanplus -H <BMC IP address> -U <login name> -P <login password> chassis power on`

Reset:

`ipmitool -I lanplus -H <BMC IP address> -U <login name> -P <login password> chassis power reset`

After executing the above command, BIOS will start POST. At this time, switch back to the SOL window, and then press the key to enter the BIOS setup when you see the screen.

```
Version 2.20.1276. Copyright (C) 2020 American Megatrends, Inc.
(HP24600F)HPM-246 BIOS Rev.1.20 Date: 05/13/2020
Press <DEL> or <ESC> to enter setup.
```

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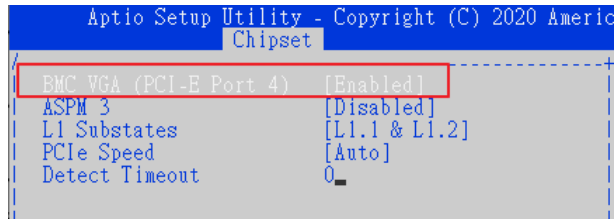
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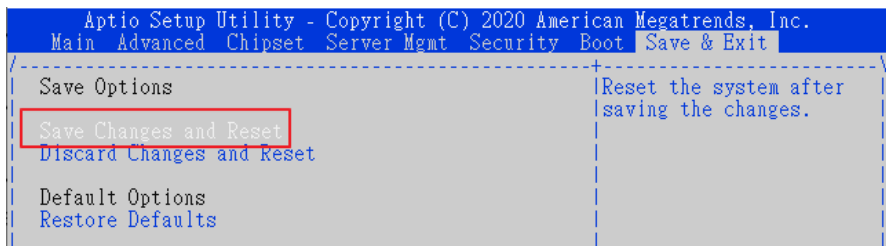


4. Go to the following path to enable BMC VGA.

Chipset→ PCH-IO Configuration→ PCI Express Configuration→ BMC VGA (PCI-E Port 4)



Go to [Save & Exit] page. Save Changes and Reset.



To quit a SOL session from IPMItool, press <~> and <.> one after the other. The SOL session closes.

Note: If you close the SOL window directly, the SOL session will keep for 1 minute.

5. The BMC VGA is enabled now. Check KVM function from Web UI.