

FAQ / Application Note

Subject: 80 Port code transfer to WebUI interface.

FAQ Document No: S23004

Date: 2023/03/31

Model Name. HPM/HPS series products

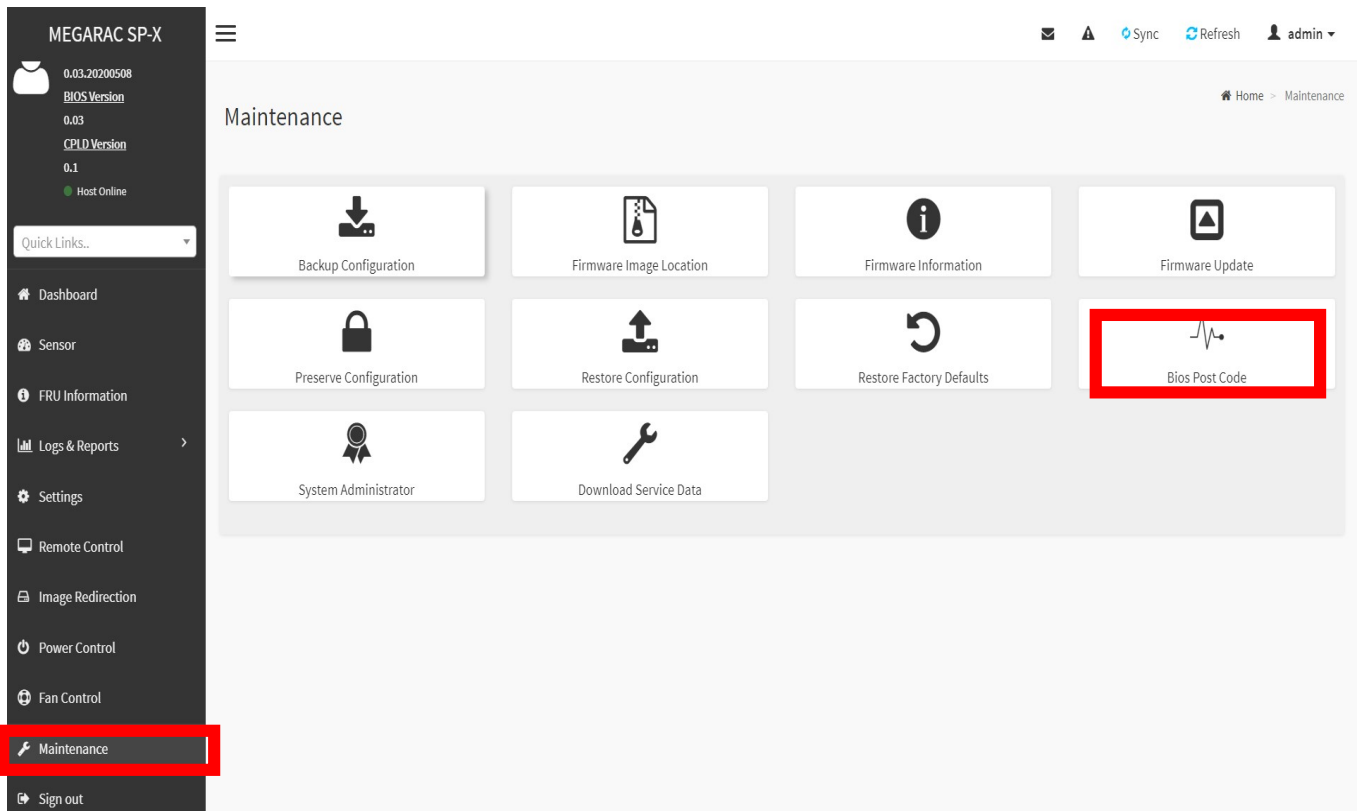
Rev. A2

Category: General H/W S/W Others, _____

Purpose:

For debugging purpose, it's helpful by knowing which stage the BIOS code has executed with 80 port code information.

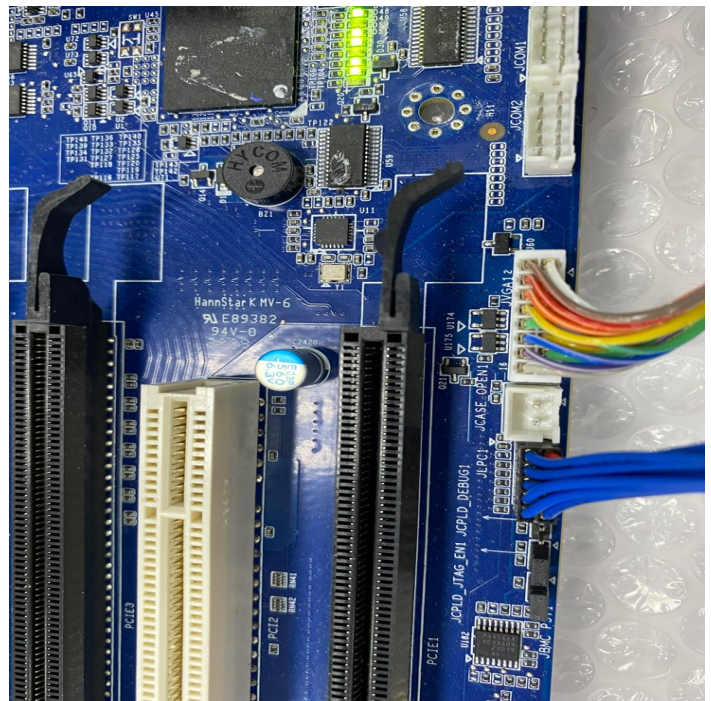
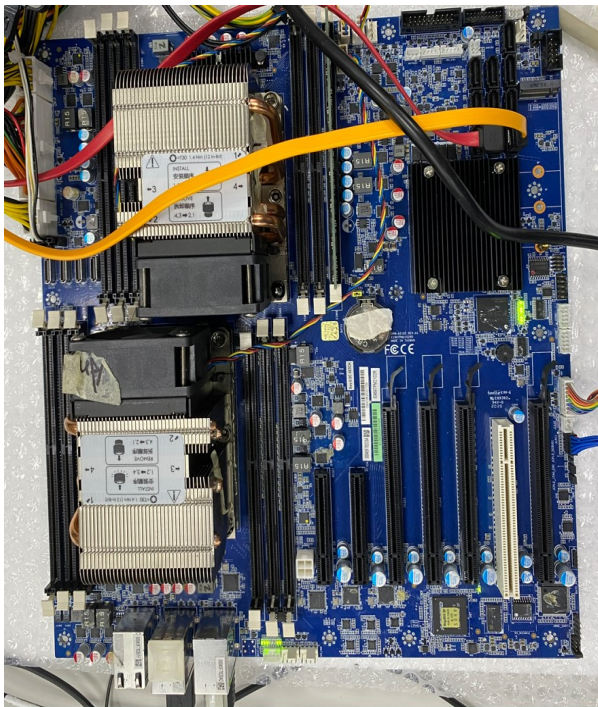
1.Through WebUI interface, click Maintenance button in the lower left corner for BIOS Post Code information.



2. It shows the current stage where the BIOS code has been executing

ID	Post Code	Message
1	0x01	SEC-Power on. Reset type detection (soft/
2	0x02	SEC-AP init before mc loading
3	0x02	SEC-AP init before mc loading
4	0x03	SEC-North Bridge init before mc loading
5	0x03	SEC-North Bridge init before mc loading
6	0x04	SEC-South Bridge init before mc loading
7	0x04	SEC-South Bridge init before mc loading
8	0x05	SEC-OEM init before mc loading
9	0x05	SEC-OEM init before mc loading

3. This is the on-board physical address where JLPC connector is located



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Examples:

BIOS code stops at 0xAB

CPLD Version
0.1
● Host Online

Quick Links..

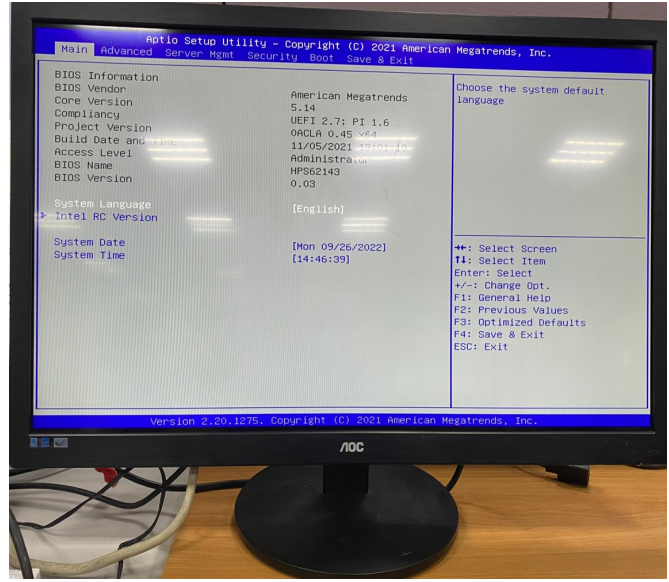
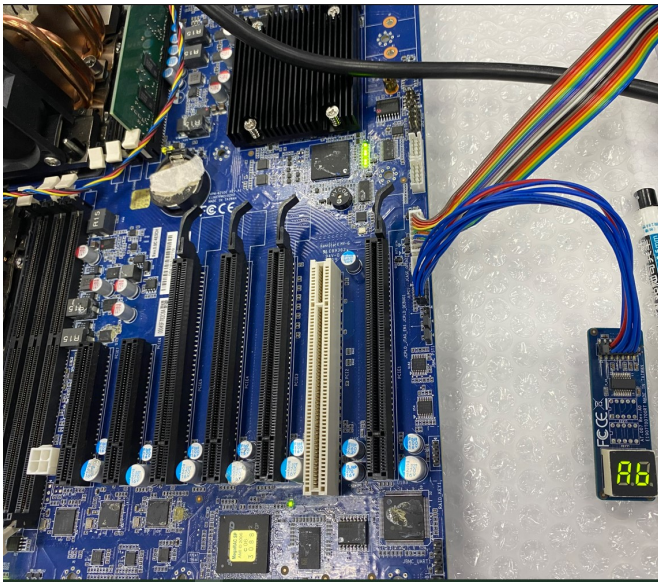
- Dashboard
- Sensor
- FRU Information
- Logs & Reports
- Settings
- Remote Control
- Image Redirection
- Power Control
- Fan Control
- Maintenance
- Sign out

ID	Post Code	Message
185	0x12	DXE-IOE Detect
186	0xA2	DXE-IDE Detect
187	0xA2	DXE-IDE Detect
188	0xA2	DXE-IDE Detect
189	0xA2	DXE-IDE Detect
190	0x99	DXE-Super IO Initialization
191	0x92	DXE-PCI Bus init is started
192	0x92	DXE-PCI Bus init is started
193	0x92	DXE-PCI Bus init is started
194	0x92	DXE-PCI Bus init is started
195	0x92	DXE-PCI Bus init is started
196	0x92	DXE-PCI Bus init is started
197	0x92	DXE-PCI Bus init is started
198	0xA9	DXE-Start of Setup
199	0xAB	DXE-Setup Input Wait

○ Top

○ 101

● End



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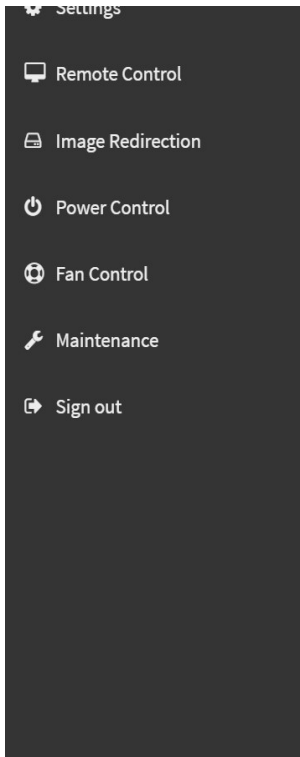
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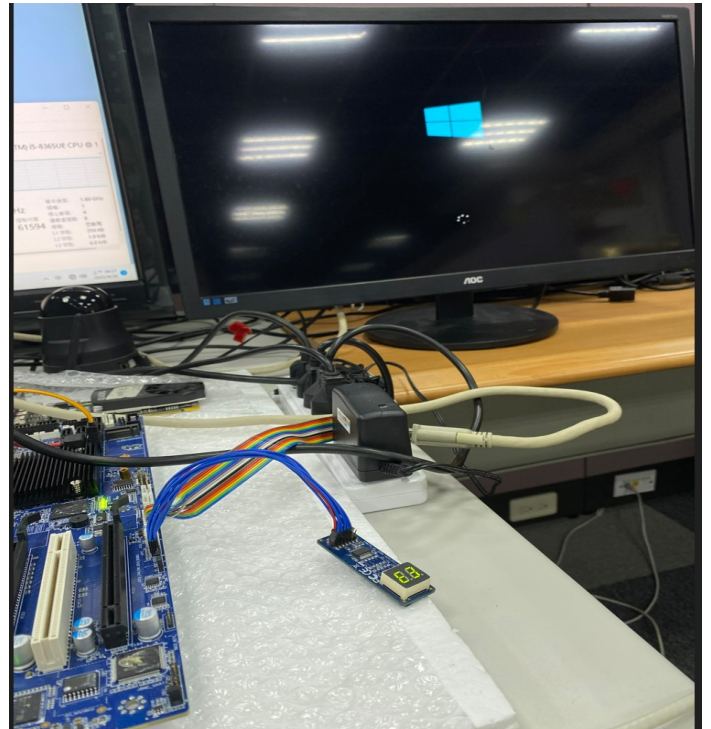
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BIOS code stops at 0xE3



399	0x92	DXE-PCI Bus init is started	
400	0x92	DXE-PCI Bus init is started	
401	0xAD	DXE-Ready To Boot event	
402	0x78	DXE-ACPI module init	
403	0xB1	DXE-Runtime Set Virtual Addr MAP End	
404	0xA0	DXE-IDE init is started	○ Top
405	0xEE	IIO late init exit	○ 101
406	0xEE	IIO late init exit	○ 201
407	0xEE	IIO late init exit	○ 301
408	0x84	postcode:0x0084	○ 401
409	0xAA	DXE-Interrupt controller is in APIC mode.	● End
410	0xE3	S3 Resume-OS S3 wake vector call	
411	0xE3	S3 Resume-OS S3 wake vector call	



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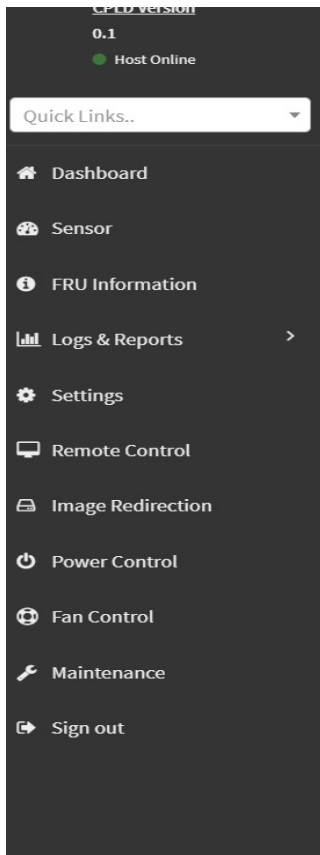
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BIOS code stops at 0x2A.



ID	Post Code	Message
30	0xB0	DXE-Runtime Set Virtual Addr M
31	0xB0	DXE-Runtime Set Virtual Addr M
32	0xB0	DXE-Runtime Set Virtual Addr M
33	0xB0	DXE-Runtime Set Virtual Addr M
34	0xB0	DXE-Runtime Set Virtual Addr M
35	0xB0	DXE-Runtime Set Virtual Addr M
36	0xB0	DXE-Runtime Set Virtual Addr M
37	0xB0	DXE-Runtime Set Virtual Addr M
38	0xB0	DXE-Runtime Set Virtual Addr M
39	0xB0	DXE-Runtime Set Virtual Addr M
40	0xB0	DXE-Runtime Set Virtual Addr M
41	0xB0	DXE-Runtime Set Virtual Addr M
42	0xB0	DXE-Runtime Set Virtual Addr M
43	0x53	PEI-No usable memory detecte
44	0x2A	postcode:0x002a



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0xA7	SCSI Enable
0xA8	Setup Verifying Password
0xA9	Start of Setup
0xAA	Reserved for ASL (see ASL Status Codes section below)
0xAB	Setup Input Wait
0xAC	Reserved for ASL (see ASL Status Codes section below)
0xAD	Ready To Boot event
0xAE	Legacy Boot event
0xAF	Exit Boot Services event
0xB0	Runtime Set Virtual Address MAP Begin
0xB1	Runtime Set Virtual Address MAP End
0xB2	Legacy Option ROM Initialization
0xB3	System Reset
0xB4	USB hot plug
0xB5	PCI bus hot plug
0xB6	Clean-up of NVRAM
0xB7	Configuration Reset (reset of NVRAM settings)

S3 Resume Progress Codes

0xE0	S3 Resume is started (S3 Resume PPI is called by the DXE IPL)
0xE1	S3 Boot Script execution
0xE2	Video repost
0xE3	OS S3 wake vector call
0xE4-0xE7	Reserved for future AMI progress codes

OEM-Reserved Checkpoint Ranges

Status Code	Description
0x05	OEM SEC initialization before microcode loading
0x0A	OEM SEC initialization after microcode loading
0x1D – 0x2A	OEM pre-memory initialization codes
0x3F – 0x4E	OEM PEI post memory initialization codes
0x80 – 0x8F	OEM DXE initialization codes
0xC0 – 0xCF	OEM BDS initialization codes

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