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0:100 0:000 Now is 20.12.2019, 19:19:33 (GMT)
0:100 0:000 Starting Clover revision: 4961 on American Megatrends EFI
0:100 0:000 Build with: [Args: -mc --no-usb -D NO_GRUB_DRIVERS_EMBEDDED
-t XCODE8 | -D DISABLE_USB_SUPPORT -D NO_GRUB_DRIVERS_EMBEDDED
--conf=/Users/macman/src/edk2/Conf -D USE_BIOS_BLOCKIO -D
USE_LOW_EBDA -a X64 -b RELEASE -t XCODE8 -n 13 | OS: 10.14.4 | XCODE:
10.2.1]
0:100 0:000
SelfDevicePath=PciRoot(0x0)\Pci(0x1A,0x0)\USB(0x1,0x0)\USB(0x1,0x0)\HD(1,GPT
,450EC0F0-EF02-4CBA-ABCB-3023815B549D,0x28,0x64000) @B502BE18
0:100 0:000 SelfDirPath = \EFI\BOOT
0:101 0:000 === [ Get Smbios ]
=====
0:101 0:000 Type 16 Index = 0
0:101 0:000 Total Memory Slots Count = 4
0:101 0:000 Type 17 Index = 0
0:101 0:000 SmbiosTable.Type17->Speed = 1600MHz
0:101 0:000 SmbiosTable.Type17->Size = 8192MB
0:101 0:000 SmbiosTable.Type17->Bank/Device = DIMM4
0:101 0:000 SmbiosTable.Type17->Vendor = Samsung
0:101 0:000 SmbiosTable.Type17->SerialNumber = 95602903
0:101 0:000 SmbiosTable.Type17->PartNumber = M378B1G73BH0-CK0
0:101 0:000 Type 17 Index = 1
0:101 0:000 SmbiosTable.Type17->Speed = 1600MHz
0:101 0:000 SmbiosTable.Type17->Size = 8192MB
0:101 0:000 SmbiosTable.Type17->Bank/Device = DIMM3
0:101 0:000 SmbiosTable.Type17->Vendor = Hynix/Hyundai
0:101 0:000 SmbiosTable.Type17->SerialNumber = 058E4111
0:101 0:000 SmbiosTable.Type17->PartNumber = HMT41GU6BFR8A-PB
0:101 0:000 Type 17 Index = 2
0:101 0:000 SmbiosTable.Type17->Speed = 1600MHz
0:101 0:000 SmbiosTable.Type17->Size = 8192MB
0:101 0:000 SmbiosTable.Type17->Bank/Device = DIMM2
0:101 0:000 SmbiosTable.Type17->Vendor = Samsung
0:101 0:000 SmbiosTable.Type17->SerialNumber = 137AD25D
0:101 0:000 SmbiosTable.Type17->PartNumber = M378B1G73BH0-CK0
0:101 0:000 Type 17 Index = 3
0:101 0:000 SmbiosTable.Type17->Speed = 1600MHz
0:101 0:000 SmbiosTable.Type17->Size = 8192MB
0:101 0:000 SmbiosTable.Type17->Bank/Device = DIMM1
0:101 0:000 SmbiosTable.Type17->Vendor = Hynix/Hyundai
0:101 0:000 SmbiosTable.Type17->SerialNumber = 054E4116
0:101 0:000 SmbiosTable.Type17->PartNumber = HMT41GU6BFR8A-PB
0:101 0:000 Boot status=0
0:101 0:000 Running on: 'HP Z230 Tower Workstation' with board '1905'
0:101 0:000 === [ GetCPUProperties ]
=====
0:101 0:000 CPU Vendor = 756E6547 Model=306C3
0:101 0:000 The CPU supported SSE4.1
0:101 0:000 BrandString = Intel(R) Xeon(R) CPU E3-1271 v3 @ 3.60GHz

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0:101 0:000 The CPU supported turbo
0:101 0:000 MSR 0x35          40008
0:101 0:000 MSR 0xE2 before patch 1E008405
0:101 0:000 MSR 0xE2 is locked, PM patches will be turned on
0:101 0:000 MSR 0xCE          00080838_F7012400
0:101 0:000 corrected FLEX_RATIO = 0
0:101 0:000 MSR 0x1B0          00000000
0:101 0:000 FSBFrequency = 100 MHz, DMI FSBFrequency = 100 MHz, Corrected
FSBFrequency = 100 MHz
0:101 0:000 MaxDiv/MinDiv: 36.0/8
0:101 0:000 Turbo: 38/39/40/40
0:101 0:000 Features: 0xBFEBFBFF
0:101 0:000 Threads: 8
0:101 0:000 Cores: 4
0:101 0:000 FSB: 100 MHz
0:101 0:000 CPU: 3600 MHz
0:101 0:000 TSC: 3600 MHz
0:101 0:000 PIS: 100 MHz
0:101 0:000 ExternalClock: 25 MHz
0:101 0:000 === [ GetDevices ]
=====
0:101 0:000 PCI (00100:00.00) : 8086 0C08 class=060000
0:101 0:000 PCI (00100:01.00) : 8086 0C01 class=060400
0:101 0:000 PCI (00101:00.00) : 10DE 11B4 class=030000
0:101 0:000 - GFX: Model=HP Quadro K4200 family E4 (Kepler)
0:101 0:000 PCI (00101:00.01) : 10DE 0E0A class=040300
0:101 0:000 - HDMI Audio:
0:101 0:000 PCI (00100:14.00) : 8086 8C31 class=0C0330
0:101 0:000 PCI (00100:16.00) : 8086 8C3A class=078000
0:101 0:000 PCI (00100:16.01) : FFFF FFFF class=FFFFFF
0:101 0:000 PCI (00100:16.03) : 8086 8C3D class=070002
0:101 0:000 PCI (00100:19.00) : 8086 153A class=020000
0:101 0:000 - LAN: 0 Vendor=Intel
0:101 0:000 PCI (00100:1A.00) : 8086 8C2D class=0C0320
0:101 0:000 PCI (00100:1B.00) : 8086 8C20 class=040300
0:101 0:000 PCI (00100:1C.00) : 8086 8C10 class=060400
0:101 0:000 PCI (00100:1C.03) : 8086 8C16 class=060400
0:101 0:000 PCI (00103:00.00) : 1283 8893 class=060401
0:101 0:000 PCI (00100:1D.00) : 8086 8C26 class=0C0320
0:101 0:000 PCI (00100:1F.00) : 8086 8C56 class=060100
0:101 0:000 PCI (00100:1F.02) : 8086 8C02 class=010601
0:101 0:000 PCI (00100:1F.03) : 8086 8C22 class=0C0500
0:101 0:000 PCI (00100:1F.06) : FFFF FFFF class=FFFFFF
0:101 0:000 === [ GetDefaultSettings ] =====
0:101 0:000 Clover load options size = 4 bytes
0:108 0:007 EFI\CLOVER\config.plist loaded: Success
0:110 0:001 === [ GetListOfThemes ]
=====
0:112 0:001 - [00]: EMBEDDED
0:114 0:001 - [00]: RANDOM

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0:116 0:001 - [00]: tonymacx86
0:119 0:002 === [ Found config plists ] =====
0:119 0:000 - config.plist
0:119 0:000 === [ GetEarlyUserSettings ] =====
0:119 0:000 timeout set to 3
0:119 0:000 Custom boot CUSTOM_BOOT_DISABLED (0x0)
0:287 0:168 KextsToPatch: 2 requested
0:304 0:016 - [00]: AppleAHCIPort (External icons patch) :: BinPatch :: data len: 8
0:369 0:065 - [01]: com.apple.driver.usb.AppleUSBXHCI (Remove USB port limit in
XHCI kext) :: MatchOS: 10.14.x :: BinPatch :: data len: 9
0:451 0:081 Default theme: tonymacx86
0:467 0:016 Hiding entries with string Windows
0:487 0:020 Hiding entries with string BOOTX64.EFI
0:504 0:016 === [ LoadDrivers ]
=====
1:201 0:697 Loading ApfsDriverLoader-64.efi status=Success
1:364 0:163 - driver needs connecting
1:381 0:016 Loading AptioMemoryFix-64.efi status=Success
1:545 0:164 Loading AudioDxe-64.efi status=Success
1:610 0:065 - driver needs connecting
1:627 0:016 Loading DataHubDxe-64.efi status=Success
1:705 0:078 Loading FSInject-64.efi status=Success
1:768 0:063 Loading PartitionDxe-64.efi status=Success
1:835 0:067 - driver needs connecting
1:851 0:016 Loading SMCHelper-64.efi status=Success
1:914 0:062 Loading VBoxHfs-64.efi status=Success
1:978 0:063 - driver needs connecting
1:994 0:016 4 drivers needs connecting ...
2:010 0:016 PlatformDriverOverrideProtocol->GetDriver overridden
2:027 0:016 Partition driver loaded: CD disconnect Success
2:076 0:048 APFS driver loaded
2:092 0:016 Searching for invalid Disklo BY_DRIVER connects: not found, all ok
7:354 5:262 === [ InitScreen ] =====
8:064 0:709 Console modes reported: 3, available modes:
8:080 0:016 - [01]: 80x25 (current mode)
8:096 0:016 - [02]: 80x50
8:112 0:016 - [03]: 100x31
8:129 0:016 SetScreenResolution: 1920x1080 - not found!
8:161 0:032 SetMaxResolution: found best mode 1: 1280x1024
8:422 0:260 Video mode change to mode #1: Success
8:439 0:017 - set
8:455 0:016 reinit: self device
path=PciRoot(0x0)\Pci(0x1A,0x0)\USB(0x1,0x0)\USB(0x1,0x0)\HD(1,GPT,450EC0F
0-EF02-4CBA-ABCB-3023815B549D,0x28,0x64000)
8:477 0:022 Using embedded font: Success
9:227 0:749 === [ GetMacAddress ]
=====
9:887 0:660 MAC address of LAN #0= EC:B1:D7:55:08:0D:
10:017 0:130 === [ ScanSPD ]
=====

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10:774 0:756 Scanning SMBus [8086:8C22], mmio: 0xEF135004, ioport: 0xF000, hostc: 0x11

10:809 0:035 Slot: 0 Type 24 8192MB 1600MHz Vendor=SK Hynix
PartNo=HMT41GU6BFR8A-PBN0 SerialNo=0005040E04010106

10:848 0:039 Slot: 1 Type 24 8192MB 1600MHz Vendor=Samsung
PartNo=M378B1G73BH0-CK0 SerialNo=0103070A0D02050D

10:890 0:041 Slot: 2 Type 24 8192MB 1600MHz Vendor=SK Hynix
PartNo=HMT41GU6BFR8A-PBN0 SerialNo=0005080E04010101

10:925 0:034 Slot: 3 Type 24 8192MB 1600MHz Vendor=Samsung
PartNo=M378B1G73BH0-CK0 SerialNo=0905060002090003

10:941 0:016 === [GetAcpiTablesList] =====

11:515 0:573 Get Acpi Tables List from RSDT:

11:552 0:037 - [00]: FACP SLIC-WKS len=132

11:569 0:016 - [01]: APIC SLIC-WKS len=146

11:585 0:016 - [02]: FPDT SLIC-WKS len=68

11:601 0:016 - [03]: SSDT Cpu0Ist len=1337

11:617 0:016 - [04]: SSDT CpuPm len=2776

11:634 0:016 - [05]: SSDT LakeTiny len=455

11:650 0:016 - [06]: MCFG SLIC-WKS len=60

11:666 0:016 - [07]: HPET SLIC-WKS len=56

11:682 0:016 - [08]: SSDT SataTabl len=877

11:699 0:016 - [09]: SSDT SaSsdT len=9343

11:715 0:016 - [10]: SSDT WMI len=26084

11:736 0:020 - [11]: SLIC SLIC-WKS len=374

11:752 0:016 - [12]: MSDM SLIC-WKS len=85

11:768 0:016 - [13]: ASF! HCG len=165

11:785 0:016 - [14]: TCPA NAPAASF len=50

11:801 0:016 Calibrated TSC Frequency = 3591693336 = 3591MHz

11:817 0:016 === [GetUserSettings]

=====

12:445 0:628 USB FixOwnership: no

12:462 0:016 Dropping 1 tables:

12:478 0:016 - [00]: Drop table signature="MATS" (5354414D)

12:608 0:130 - set table: 5354414D, 0 to drop: no

12:645 0:036 - final DSDT Fix mask=00000000

12:662 0:016 Using ProductName from config: iMac14,2

12:678 0:016 BiosVersion: not set, Using BiosVersion from clover

12:694 0:016 BiosVersion: IM142.88Z.F000.B00.1904161912

12:711 0:016 BiosReleaseDate: 04/16/2019

12:727 0:016 Using EfiVersion from clover: 137.0.0.0.0

12:743 0:016 Using FirmwareFeatures from clover: 0xE00FE137

12:760 0:016 Using FirmwareFeaturesMask from clover: 0xFF1FFF3F

12:776 0:016 Using PlatformFeature from clover: 0x1

12:798 0:021 === [Found DSDT tables]

=====

13:473 0:674 === [ScanVolumes]

=====

14:184 0:711 Found 8 volumes with blockIO

14:200 0:016 - [00]: Volume:

PciRoot(0x0)\Pci(0x1A,0x0)\USB(0x1,0x0)\USB(0x1,0x0)

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14:234 0:033      USB volume
14:250 0:016      USB volume
14:266 0:016 - [01]: Volume:
PciRoot(0x0)\Pci(0x1A,0x0)\USB(0x1,0x0)\USB(0x1,0x0)\HD(1,GPT,450EC0F0-
EF02-4CBA-ABCB-3023815B549D,0x28,0x64000)
14:305 0:038      Result of bootcode detection: bootable unknown (legacy)
14:321 0:016      USB volume
14:338 0:016      USB volume
14:361 0:023      This is SelfVolume !!
14:377 0:015 - [02]: Volume:
PciRoot(0x0)\Pci(0x1A,0x0)\USB(0x1,0x0)\USB(0x1,0x0)\HD(2,GPT,D3D8FFF8-988
7-4949-A440-01E053D740F3,0x64028,0x1C2DA10)
14:410 0:033      USB volume
14:427 0:016      USB volume
14:443 0:016 - [03]: Volume:
PciRoot(0x0)\Pci(0x1D,0x0)\USB(0x1,0x0)\USB(0x6,0x0)
14:480 0:036      USB volume
14:496 0:016      USB volume
14:512 0:016 - [04]: Volume:
PciRoot(0x0)\Pci(0x1D,0x0)\USB(0x1,0x0)\USB(0x6,0x0)\Scsi(0x0,0x1)
14:545 0:032      USB volume
14:561 0:016      USB volume
14:577 0:016 - [05]: Volume:
PciRoot(0x0)\Pci(0x1D,0x0)\USB(0x1,0x0)\USB(0x6,0x0)\Scsi(0x0,0x2)
14:610 0:032      USB volume
14:626 0:016      USB volume
14:643 0:016 - [06]: Volume: PciRoot(0x0)\Pci(0x1F,0x2)\Sata(0x0,0xFFFF,0x0)
14:679 0:036 - [07]: Volume: PciRoot(0x0)\Pci(0x1F,0x2)\Sata(0x1,0xFFFF,0x0)
14:727 0:047      Found optical drive
14:743 0:016 found 2 handles with audio
14:760 0:016 No AudioIoDevice stored
14:776 0:016 no stored audio parameters
14:792 0:016 === [ InitTheme ]
=====
15:519 0:726 use daylight theme
15:540 0:020 Using theme 'tonymacx86' (EFI\CLOVER\themes\tonymacx86)
15:556 0:016 file sound read: sound.wav Not Found
15:572 0:016 Loading font from ThemeDir: Error
15:593 0:021 theme initied
15:610 0:016 Chosen theme tonymacx86
15:626 0:016 after NVRAM boot-args=dart=0 nv_disable=1
15:642 0:016 Scanning legacy ...
15:659 0:016 === [ Dump SMC keys from NVRAM ]
=====
16:115 0:456 found AppleSMC protocol
16:156 0:040 Registered 16 SMC keys
16:177 0:020 === [ ScanLoader ]
=====
16:882 0:704 - [01]: 'EFI'
17:012 0:130      AddLoaderEntry for Volume Name=EFI

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17:043 0:031      skipped because entry is hidden
17:065 0:021 - [02]: 'Install macOS Catalina'
17:104 0:038      AddLoaderEntry for Volume Name=Install macOS Catalina
17:203 0:098 === [ AddCustomTool ]
=====
17:867 0:664 found tool \EFI\CLOVER\tools\Shell64U.efi
17:883 0:016 Checking EFI partition Volume 1 for Clover
17:900 0:016 Found Clover
17:924 0:024 === [ GetEfiBootDeviceFromNvram ]
=====
18:366 0:441 - found entry 0. 'Boot macOS Install from Install macOS Catalina',
Volume 'Install macOS Catalina', DevicePath
'PciRoot(0x0)\Pci(0x1A,0x0)\USB(0x1,0x0)\USB(0x1,0x0)\HD(2,GPT,D3D8FFF8-988
7-4949-
A440-01E053D740F3,0x64028,0x1C2DA10)\System\Library\CoreServices\boot.efii'
18:386 0:020 DefaultIndex=0 and MainMenu.EntryCount=7
18:503 0:117 GUI ready
22:524 4:020 === [ StartLoader ]
=====
23:216 0:691 Finally: ExternalClock=25MHz BusSpeed=99770kHz
CPUFreq=3592MHz PIS: hw.busfrequency=100000000Hz
23:252 0:036 Loading boot.efi status=Success
23:523 0:270 GetOSVersion: 10.15.2 (19C57)
23:556 0:033 CSR_CFG: CSR_ALLOW_UNTRUSTED_KEXTS I
CSR_ALLOW_UNRESTRICTED_FS
23:573 0:016 Filtering KextPatches:
23:589 0:016 - [00]: AppleAHCIPort (External icons patch) :: BinPatch :: [OS:
10.15.2 | MatchOS: All | MatchBuild: All] ==> allowed
23:622 0:032 - [01]: com.apple.driver.usb.AppleUSBXHCI (Remove USB port limit
in XHCI kext) :: BinPatch :: [OS: 10.15.2 | MatchOS: 10.14.x | MatchBuild: All] ==>
not allowed
23:659 0:036 Will not patch boot.efi
23:675 0:016 === [ PatchSmbios ]
=====
24:368 0:693 insert table 9 for dev 0:0
24:385 0:016 insert table 9 for dev 0:1
24:401 0:016 insert table 9 for dev 19:0
24:418 0:016 Channels: 2
24:434 0:016 Interleave: 0 2 1 3 4 6 5 7 8 10 9 11 12 14 13 15 16 18 17 19 20 22
21 23
24:859 0:425 SMBIOS Type 17 Index = 0 => 0 0:
24:876 0:016 BANK 0 DIMM0 1600MHz 8192MB
24:892 0:016 SMBIOS Type 17 Index = 1 => 2 2:
24:917 0:024 BANK 1 DIMM0 1600MHz 8192MB
24:933 0:016 SMBIOS Type 17 Index = 2 => 1 1:
24:950 0:016 BANK 0 DIMM1 1600MHz 8192MB
24:966 0:016 SMBIOS Type 17 Index = 3 => 3 3:
24:982 0:016 BANK 1 DIMM1 1600MHz 8192MB
24:998 0:016 mTotalSystemMemory = 32768
25:015 0:016 NumberOfMemoryDevices = 4

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25:031 0:016 Type20[0]->End = 0x7FFFFFFF, Type17[0] = 0x2000
25:047 0:016 Type20[1]->End = 0x17FFFFFFF, Type17[2] = 0x8000
25:064 0:016 Type20[2]->End = 0xFFFFFFFF, Type17[1] = 0xC000
25:084 0:020 Type20[3]->End = 0x1FFFFFFF, Type17[3] = 0x14000
25:101 0:016 Table 131 is present, CPUType=14
25:117 0:016 Change to: F01
25:153 0:036 === [ PatchACPI ]
=====
25:854 0:701 Xsdt reallocation done
25:870 0:016 old FADT length=10C
25:887 0:016 SignatureFixup: 0xD17BC8D1 -> 0x0
25:905 0:018 Apply DsdtFixMask=0x00000000
25:921 0:016 drop_DSM mask=0xFFFF
25:937 0:016 === [ FixBiosDsdt ]
=====
26:630 0:692 0 replacements
26:651 0:020 PreCleanup XSDT: count=15, length=156
26:667 0:016 PreCleanup XSDT, corrected XSDT: count=15, length=156
26:684 0:016 === [ ACPIDropTables ]
=====
27:328 0:644 0 replacements
27:344 0:016 0 replacements
27:360 0:016 Found OperationRegion(PPMT, SystemMemory, C2E87F18, ...)
27:377 0:016 0 replacements
27:393 0:016 0 replacements
27:409 0:016 0 replacements
27:426 0:016 Found OperationRegion(SANV, SystemMemory, C2E84E18, ...)
27:446 0:020 Found OperationRegion(CCDC, SystemMemory, 80000000, ...)
27:462 0:016 0 replacements
27:479 0:016 CPUBase=0 and ApicCPUBase=1 ApicCPUNum=8
27:495 0:016 Cleanup XSDT: count=15, length=156
27:511 0:016 corrected XSDT count=15, length=156
27:528 0:016 === [ RestSetup macOS ]
=====
28:132 0:604 mem_detected 2048Mb
28:148 0:016 read_nVidia_ROM
28:164 0:016 Using PRAMIN fixups
28:303 0:138 PROM
28:509 0:206 ERROR: Unable to locate nVidia Video BIOS
28:535 0:026 there are no ROM loaded and no VBIOS read from hardware
28:552 0:016 nVidia HP Quadro K4200 2048MB NVE4 [10DE:11B4] ::
PciRoot(0x0)\Pci(0x1,0x0)\Pci(0x0,0x0) => device #1
28:584 0:032 Nvidia: VideoPorts: undefined, default to: 2
28:617 0:032 set NVCAP: 04000000-00000300-0C000000-00000007-00000000
28:634 0:016 setting specified layout-id=1 (0x1)
28:675 0:041 stringlength = 1980
28:691 0:016 CurrentMode: Width=1280 Height=1024
28:708 0:016 Beginning FSInjection
28:734 0:026 Use origin smbios table type 1 guid.
28:754 0:020 Preparing kexts injection for arch=x86_64 from

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EFI\CLOVER\kexts\Other

28:770 0:016 Extra kext: EFI\CLOVER\kexts\Other\Lilu.kext (v.1.4.0)

28:805 0:035 Extra kext:

EFI\CLOVER\kexts\Other\NullCPUPowerManagement.kext (v.1.0.0d2)

28:841 0:035 Extra kext: EFI\CLOVER\kexts\Other\AppleALC.kext (v.1.4.4)

29:024 0:182 Extra kext: EFI\CLOVER\kexts\Other\NvidiaGraphicsFixup.kext
(v.1.2.7)

29:068 0:044 Extra kext: EFI\CLOVER\kexts\Other\WhateverGreen.kext (v.1.3.5)

29:138 0:070 Extra kext: EFI\CLOVER\kexts\Other\FakeSMC.kext (v.1765)

29:173 0:035 Preparing kexts injection for arch=x86_64 from
EFI\CLOVER\kexts\10.15

29:193 0:019 SetScreenResolution: 1280x1024 - already set

29:225 0:032 Custom boot is disabled

29:242 0:016 Closing log