U-Boot 2021.01-00001-gc59bf25a38-dirty (Sep 13 2023 - 17:45:29 +0530)  
  
CPU  : AM335X-GP rev 2.1  
Model: TI AM335x EVM  
DRAM:  1 GiB  
WDT:   Started with servicing (60s timeout)  
NAND:  0 MiB  
MMC:   OMAP SD/MMC: 0  
Loading Environment from FAT... \*\*\* Warning - bad CRC, using default environment  
  
<ethaddr> not set. Validating first E-fuse MAC  
Net:   Could not get PHY for ethernet@4a100000: addr 0  
eth2: ethernet@4a100000, eth3: usb\_ether  
Hit any key to stop autoboot:  0  
switch to partitions #0, OK  
mmc0 is current device  
SD/MMC found on device 0  
Failed to load 'boot.scr'  
213 bytes read in 3 ms (69.3 KiB/s)  
Loaded env from uEnv.txt  
Importing environment from mmc0 ...  
Running uenvcmd ...  
62087 bytes read in 17 ms (3.5 MiB/s)  
4997632 bytes read in 665 ms (7.2 MiB/s)  
## Flattened Device Tree blob at 88080000  
   Booting using the fdt blob at 0x88080000  
   Loading Device Tree to 8ffed000, end 8ffff286 ... OK  
  
Starting kernel ...  
  
[    0.000000] Booting Linux on physical CPU 0x0  
[    0.000000] Linux version 5.10.100-g7a7a3af903 (al@R) (arm-none-linux-g  
nueabihf-gcc (GNU Toolchain for the A-profile Architecture 9.2-2019.12 (arm-9.10  
)) 9.2.1 20191025, GNU ld (GNU Toolchain for the A-profile Architecture 9.2-2019  
.12 (arm-9.10)) 2.33.1.20191209) #1 PREEMPT Tue Sep 12 11:21:09 IST 2023  
[    0.000000] CPU: ARMv7 Processor [413fc082] revision 2 (ARMv7), cr=10c5387d  
[    0.000000] CPU: PIPT / VIPT nonaliasing data cache, VIPT aliasing instructio  
n cache  
[    0.000000] OF: fdt: Machine model: TI AM335x Hello World  
[    0.000000] Memory policy: Data cache writeback  
[    0.000000] efi: UEFI not found.  
[    0.000000] cma: Reserved 48 MiB at 0xbd000000  
[    0.000000] Zone ranges:  
[    0.000000]   Normal   [mem 0x0000000080000000-0x00000000afefffff]  
[    0.000000]   HighMem  [mem 0x00000000aff00000-0x00000000bfffffff]  
[    0.000000] Movable zone start for each node  
[    0.000000] Early memory node ranges  
[    0.000000]   node   0: [mem 0x0000000080000000-0x00000000afefffff]  
[    0.000000]   node   0: [mem 0x00000000b0000000-0x00000000bfffffff]  
[    0.000000] Initmem setup node 0 [mem 0x0000000080000000-0x00000000bfffffff]  
[    0.000000] CPU: All CPU(s) started in SVC mode.  
[    0.000000] AM335X ES2.1 (neon)  
[    0.000000] Built 1 zonelists, mobility grouping on.  Total pages: 260162  
[    0.000000] Kernel command line: console=ttyS0,115200n8 root=/dev/mmcblk0p2 r  
ootfstype=ext4 rootwait  
[    0.000000] Dentry cache hash table entries: 131072 (order: 7, 524288 bytes,  
linear)  
[    0.000000] Inode-cache hash table entries: 65536 (order: 6, 262144 bytes, li  
near)  
[    0.000000] mem auto-init: stack:off, heap alloc:off, heap free:off  
[    0.000000] Memory: 971776K/1047552K available (10240K kernel code, 695K rwda  
ta, 3404K rodata, 1024K init, 280K bss, 26624K reserved, 49152K cma-reserved, 21  
2992K highmem)  
[    0.000000] SLUB: HWalign=64, Order=0-3, MinObjects=0, CPUs=1, Nodes=1  
[    0.000000] rcu: Preemptible hierarchical RCU implementation.  
[    0.000000] rcu:     RCU event tracing is enabled.  
[    0.000000]  Trampoline variant of Tasks RCU enabled.  
[    0.000000] rcu: RCU calculated value of scheduler-enlistment delay is 10 jif  
fies.  
[    0.000000] NR\_IRQS: 16, nr\_irqs: 16, preallocated irqs: 16  
[    0.000000] IRQ: Found an INTC at 0x(ptrval) (revision 5.0) with 128 interrup  
ts  
[    0.000000] random: get\_random\_bytes called from start\_kernel+0x30c/0x4c8 wit  
h crng\_init=0  
[    0.000000] TI gptimer clocksource: always-on /ocp/interconnect@44c00000/segm  
ent@200000/target-module@31000  
[    0.000022] sched\_clock: 32 bits at 24MHz, resolution 41ns, wraps every 89478  
484971ns  
[    0.000070] clocksource: dmtimer: mask: 0xffffffff max\_cycles: 0xffffffff, ma  
x\_idle\_ns: 79635851949 ns  
[    0.000906] TI gptimer clockevent: 24000000 Hz at /ocp/interconnect@48000000/  
segment@0/target-module@40000  
[    0.003563] Console: colour dummy device 80x30  
[    0.003744] Calibrating delay loop... 298.59 BogoMIPS (lpj=1492992)  
[    0.070998] pid\_max: default: 32768 minimum: 301  
[    0.071454] Mount-cache hash table entries: 2048 (order: 1, 8192 bytes, linea  
r)  
[    0.071508] Mountpoint-cache hash table entries: 2048 (order: 1, 8192 bytes,  
linear)  
[    0.073538] CPU: Testing write buffer coherency: ok  
[    0.073700] CPU0: Spectre v2: using BPIALL workaround  
[    0.075603] Setting up static identity map for 0x80100000 - 0x80100060  
[    0.075966] rcu: Hierarchical SRCU implementation.  
[    0.076191] EFI services will not be available.  
[    0.077038] devtmpfs: initialized  
[    0.104742] VFP support v0.3: implementor 41 architecture 3 part 30 variant c  
 rev 3  
[    0.105359] clocksource: jiffies: mask: 0xffffffff max\_cycles: 0xffffffff, ma  
x\_idle\_ns: 19112604462750000 ns  
[    0.105419] futex hash table entries: 256 (order: -1, 3072 bytes, linear)  
[    0.113146] pinctrl core: initialized pinctrl subsystem  
[    0.115256] DMI not present or invalid.  
[    0.116298] NET: Registered protocol family 16  
[    0.121821] DMA: preallocated 256 KiB pool for atomic coherent allocations  
[    0.149832] l3-aon-clkctrl:0000:0: failed to disable  
[    0.152771] thermal\_sys: Registered thermal governor 'fair\_share'  
[    0.152799] thermal\_sys: Registered thermal governor 'bang\_bang'  
[    0.152836] thermal\_sys: Registered thermal governor 'step\_wise'  
[    0.152860] thermal\_sys: Registered thermal governor 'user\_space'  
[    0.153597] cpuidle: using governor ladder  
[    0.153695] cpuidle: using governor menu  
[    2.561050] random: fast init done  
[    3.380224] No ATAGs?  
[    3.380286] hw-breakpoint: debug architecture 0x4 unsupported.  
[    3.444530] iommu: Default domain type: Translated  
[    3.449944] SCSI subsystem initialized  
[    3.451702] mc: Linux media interface: v0.10  
[    3.451827] videodev: Linux video capture interface: v2.00  
[    3.452106] pps\_core: LinuxPPS API ver. 1 registered  
[    3.452135] pps\_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giome  
tti <giometti@linux.it>  
[    3.452206] PTP clock support registered  
[    3.452361] EDAC MC: Ver: 3.0.0  
[    3.455245] Advanced Linux Sound Architecture Driver Initialized.  
[    3.458336] clocksource: Switched to clocksource dmtimer  
[    3.479177] NET: Registered protocol family 2  
[    3.479765] IP idents hash table entries: 16384 (order: 5, 131072 bytes, line  
ar)  
[    3.482783] tcp\_listen\_portaddr\_hash hash table entries: 512 (order: 0, 4096  
bytes, linear)  
[    3.482876] TCP established hash table entries: 8192 (order: 3, 32768 bytes,  
linear)  
[    3.483105] TCP bind hash table entries: 8192 (order: 3, 32768 bytes, linear)  
[    3.483327] TCP: Hash tables configured (established 8192 bind 8192)  
[    3.483642] UDP hash table entries: 512 (order: 1, 8192 bytes, linear)  
[    3.483728] UDP-Lite hash table entries: 512 (order: 1, 8192 bytes, linear)  
[    3.484035] NET: Registered protocol family 1  
[    3.485339] RPC: Registered named UNIX socket transport module.  
[    3.485382] RPC: Registered udp transport module.  
[    3.485404] RPC: Registered tcp transport module.  
[    3.485425] RPC: Registered tcp NFSv4.1 backchannel transport module.  
[    3.485467] PCI: CLS 0 bytes, default 64  
[    3.487488] hw perfevents: enabled with armv7\_cortex\_a8 PMU driver, 5 counter  
s available  
[    3.490948] Initialise system trusted keyrings  
[    3.491488] workingset: timestamp\_bits=14 max\_order=18 bucket\_order=4  
[    3.502323] squashfs: version 4.0 (2009/01/31) Phillip Lougher  
[    3.504075] NFS: Registering the id\_resolver key type  
[    3.504172] Key type id\_resolver registered  
[    3.504198] Key type id\_legacy registered  
[    3.504430] nfs4filelayout\_init: NFSv4 File Layout Driver Registering...  
[    3.504465] nfs4flexfilelayout\_init: NFSv4 Flexfile Layout Driver Registering  
...  
[    3.504562] ntfs: driver 2.1.32 [Flags: R/O].  
[    3.505905] Key type asymmetric registered  
[    3.505950] Asymmetric key parser 'x509' registered  
[    3.506110] bounce: pool size: 64 pages  
[    3.506230] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 2  
44)  
[    3.506262] io scheduler mq-deadline registered  
[    3.506286] io scheduler kyber registered  
[    4.468179] omap-mailbox 480c8000.mailbox: omap mailbox rev 0x400  
[    4.547586] l4ls-clkctrl:0088:0: failed to enable  
[    4.547705] ti-sysc: probe of 481cc020.target-module failed with error -16  
[    4.550083] l4ls-clkctrl:008c:0: failed to enable  
[    4.550261] ti-sysc: probe of 481d0020.target-module failed with error -16  
[    4.638046] debugfs: Directory '49000000.dma' with parent 'dmaengine' already  
 present!  
[    4.638140] edma 49000000.dma: TI EDMA DMA engine driver  
[    4.670487] pinctrl-single 44e10800.pinmux: 142 pins, size 568  
[    4.816101] Serial: 8250/16550 driver, 10 ports, IRQ sharing enabled  
[    4.827327] printk: console [ttyS0] disabled  
[    4.827803] 44e09000.serial: ttyS0 at MMIO 0x44e09000 (irq = 21, base\_baud =  
3000000) is a 8250  
[    5.528805] printk: console [ttyS0] enabled  
[    5.540554] omap\_rng 48310000.rng: Random Number Generator ver. 20  
[    5.548917] random: crng init done  
[    5.602071] brd: module loaded  
[    5.622972] loop: module loaded  
[    5.708497] davinci\_mdio 4a101000.mdio: davinci mdio revision 1.6, bus freq 1  
000000  
[    5.716576] mdio\_bus 4a101000.mdio: MDIO device at address 0 is missing.  
[    5.724657] cpsw-switch 4a100000.switch: initialized cpsw ale version 1.4  
[    5.731605] cpsw-switch 4a100000.switch: ALE Table size 1024  
[    5.737526] cpsw-switch 4a100000.switch: cpts: overflow check period 500 (jif  
fies)  
[    5.745238] cpsw-switch 4a100000.switch: CPTS: ref\_clk\_freq:250000000 calc\_mu  
lt:2147483648 calc\_shift:29 error:0 nsec/sec  
[    5.756413] cpsw-switch 4a100000.switch: Detected MACID = 34:03:de:66:55:6b  
[    5.765623] cpsw-switch 4a100000.switch: initialized (regs 0x4a100000, pool s  
ize 256) hw\_ver:0019010C 1.12 (0)  
[    5.778090] i2c /dev entries driver  
[    5.789000] cpu cpu0: dev\_pm\_opp\_set\_rate: failed to find current OPP for fre  
q 600000000 (-34)  
[    5.797885] cpufreq: cpufreq\_online: CPU0: Running at unlisted initial freque  
ncy: 600000 KHz, changing to: 300000 KHz  
[    5.809470] cpuidle: enable-method property 'ti,am3352' found operations  
[    5.819269] sdhci: Secure Digital Host Controller Interface driver  
[    5.825549] sdhci: Copyright(c) Pierre Ossman  
[    5.836025] sdhci-pltfm: SDHCI platform and OF driver helper  
[    5.860977] ledtrig-cpu: registered to indicate activity on CPUs  
[    5.889660] NET: Registered protocol family 10  
[    5.899325] Segment Routing with IPv6  
[    5.903435] sit: IPv6, IPv4 and MPLS over IPv4 tunneling driver  
[    5.912593] NET: Registered protocol family 17  
[    5.918230] Key type dns\_resolver registered  
[    5.924903] omap\_voltage\_late\_init: Voltage driver support not added  
[    5.933686] Loading compiled-in X.509 certificates  
[    5.996491] omap-gpmc 50000000.gpmc: GPMC revision 6.0  
[    6.002103] gpmc\_mem\_init: disabling cs 0 mapped at 0x0-0x1000000  
[    6.015879] nand: No NAND device found  
[    6.025149] OMAP GPIO hardware version 0.1  
[    6.058937] tps65910 0-002d: No interrupt support, no core IRQ  
[    6.069066] tps65910-pmic: probe of tps65910-pmic failed with error -121  
[    6.077886] omap\_i2c 44e0b000.i2c: bus 0 rev0.11 at 400 kHz  
[    6.105577] omap\_reset\_deassert: timedout waiting for gfx:0  
[    6.111558] ti-sysc: probe of 5600fe00.target-module failed with error -110  
[    6.125749] omap\_gpio 44e07000.gpio: Could not set line 6 debounce to 200000  
microseconds (-22)  
[    6.141253] ALSA device list:  
[    6.144336]   No soundcards found.  
[    6.148730] sdhci-omap 48060000.mmc: Got CD GPIO  
[    6.154511] sdhci-omap 48060000.mmc: supply vqmmc not found, using dummy regu  
lator  
[    6.272540] mmc0: SDHCI controller on 48060000.mmc [48060000.mmc] using Exter  
nal DMA  
[    6.284677] Waiting for root device /dev/mmcblk0p2...  
[    6.352873] mmc0: new high speed SDHC card at address aaaa  
[    6.361537] mmcblk0: mmc0:aaaa SU04G 3.69 GiB  
[    6.372268]  mmcblk0: p1 p2  
[    6.433420] EXT4-fs (mmcblk0p2): mounted filesystem with ordered data mode. O  
pts: (null)  
[    6.442333] VFS: Mounted root (ext4 filesystem) readonly on device 179:2.  
[    6.451635] devtmpfs: mounted  
[    6.464254] Freeing unused kernel memory: 1024K  
[    6.472286] Run /sbin/init as init process  
[    6.904367] systemd[1]: System time before build time, advancing clock.  
[    6.986760] systemd[1]: systemd 244 running in system mode. (+PAM -AUDIT -SEL  
INUX +IMA -APPARMOR -SMACK +SYSVINIT +UTMP -LIBCRYPTSETUP -GCRYPT -GNUTLS +ACL +  
XZ -LZ4 -SECCOMP +BLKID -ELFUTILS +KMOD -IDN2 -IDN -PCRE2 default-hierarchy=hybr  
id)  
[    7.012121] systemd[1]: Detected architecture arm.  
  
Welcome to Arago 2021.09!  
  
[    7.081716] systemd[1]: Set hostname to <am335x-evm>.  
[    9.642356] systemd[1]: /lib/systemd/system/docker.socket:6: ListenStream= re  
ferences a path below legacy directory /var/run/, updating /var/run/docker.sock  
��→ /run/docker.sock; please update the unit file accordingly.  
[   10.620564] systemd[1]: system-getty.slice: unit configures an IP firewall, b  
ut the local system does not support BPF/cgroup firewalling.  
[   10.633686] systemd[1]: (This warning is only shown for the first unit using  
IP firewalling.)  
[   10.667814] systemd[1]: Created slice system-getty.slice.  
[  OK  ] Created slice system-getty.slice.  
[   10.721842] systemd[1]: Created slice system-serial\x2dgetty.slice.  
[  OK  ] Created slice system-serial\x2dgetty.slice.  
[   10.771072] systemd[1]: Created slice User and Session Slice.  
[  OK  ] Created slice User and Session Slice.  
[   10.811430] systemd[1]: Started Dispatch Password Requests to Console Directo  
ry Watch.  
[  OK  ] Started Dispatch Password ��…ts to Console Directory Watch.  
[   10.851021] systemd[1]: Started Forward Password Requests to Wall Directory W  
atch.  
[  OK  ] Started Forward Password R��…uests to Wall Directory Watch.  
[   10.891238] systemd[1]: Reached target Paths.  
[  OK  ] Reached target Paths.  
[   10.929855] systemd[1]: Reached target Remote File Systems.  
[  OK  ] Reached target Remote File Systems.  
[   10.969564] systemd[1]: Reached target Slices.  
[  OK  ] Reached target Slices.  
[   11.009904] systemd[1]: Reached target Swap.  
[  OK  ] Reached target Swap.  
[   11.103618] systemd[1]: Listening on Process Core Dump Socket.  
[  OK  ] Listening on Process Core Dump Socket.  
[   11.141470] systemd[1]: Listening on initctl Compatibility Named Pipe.  
[  OK  ] Listening on initctl Compatibility Named Pipe.  
[   11.264605] systemd[1]: Condition check resulted in Journal Audit Socket bein  
g skipped.  
[   11.278145] systemd[1]: Listening on Journal Socket (/dev/log).  
[  OK  ] Listening on Journal Socket (/dev/log).  
[   11.323413] systemd[1]: Listening on Journal Socket.  
[  OK  ] Listening on Journal Socket.  
[   11.364408] systemd[1]: Listening on Network Service Netlink Socket.  
[  OK  ] Listening on Network Service Netlink Socket.  
[   11.413045] systemd[1]: Listening on udev Control Socket.  
[  OK  ] Listening on udev Control Socket.  
[   11.452194] systemd[1]: Listening on udev Kernel Socket.  
[  OK  ] Listening on udev Kernel Socket.  
[   11.492609] systemd[1]: Condition check resulted in Huge Pages File System be  
ing skipped.  
[   11.535578] systemd[1]: Mounting POSIX Message Queue File System...  
         Mounting POSIX Message Queue File System...  
[   11.649968] systemd[1]: Mounting Kernel Debug File System...  
         Mounting Kernel Debug File System...  
[   11.735176] systemd[1]: Mounting Temporary Directory (/tmp)...  
         Mounting Temporary Directory (/tmp)...  
[   11.781514] systemd[1]: Condition check resulted in Create list of static dev  
ice nodes for the current kernel being skipped.  
[   11.845939] systemd[1]: Starting Start psplash boot splash screen...  
         Starting Start psplash boot splash screen...  
[   11.974486] systemd[1]: Starting File System Check on Root Device...  
         Starting File System Check on Root Device...  
[   12.113571] systemd[1]: Starting Journal Service...  
         Starting Journal Service...  
[   12.248158] systemd[1]: Starting Load Kernel Modules...  
         Starting Load Kernel Modules...  
[   12.364777] systemd[1]: Starting udev Coldplug all Devices...  
         Starting udev Coldplug all Devices...  
[   12.506541] systemd[1]: Mounted POSIX Message Queue File System.  
[  OK  ] Mounted POSIX Message Queue File System.  
[   12.550114] systemd[1]: Mounted Kernel Debug File System.  
[  OK  ] Mounted Kernel Debug File System.  
[   12.572234] systemd[1]: Mounted Temporary Directory (/tmp).  
[  OK  ] Mounted Temporary Directory (/tmp).  
[   12.611473] systemd[1]: psplash-start.service: Main process exited, code=exit  
ed, status=255/EXCEPTION  
[   12.633738] systemd[1]: psplash-start.service: Failed with result 'exit-code'  
.  
[   12.691489] systemd[1]: Failed to start Start psplash boot splash screen.  
[FAILED] Failed to start Start psplash boo[   12.710953] systemd[1]: Dependency  
failed for Start psplash-systemd progress communication helper.  
t splash screen.  
See 'systemctl status psplash-start.service' for details.  
[DEPEND] Dependency failed for Star�[   12.750340] systemd[1]: psplash-systemd.s  
ervice: Job psplash-systemd.service/start failed with result 'dependency'.  
�…progress communication helper.  
[   12.820495] cryptodev: loading out-of-tree module taints kernel.  
[   12.900049] cryptodev: driver 1.10 loaded.  
[   13.028057] systemd[1]: Started Load Kernel Modules.  
[  OK  ] Started Load Kernel Modules.  
[   13.055476] systemd[1]: Condition check resulted in FUSE Control File System  
being skipped.  
[   13.213909] systemd[1]: Mounting Kernel Configuration File System...  
         Mounting Kernel Configuration File System...  
[   13.307300] systemd[1]: Starting Apply Kernel Variables...  
         Starting Apply Kernel Variables...  
[   13.545678] systemd[1]: Started File System Check on Root Device.  
[  OK  ] Started File System Check on Root Device.  
[   13.593998] systemd[1]: Mounted Kernel Configuration File System.  
[  OK  ] Mounted Kernel Configuration File System.  
[   13.723888] systemd[1]: Starting Remount Root and Kernel File Systems...  
         Starting Remount Root and Kernel File Systems...  
[   13.892094] systemd[1]: Started Apply Kernel Variables.  
[  OK  ] Started Apply Kernel Variables.  
[   14.518868] EXT4-fs (mmcblk0p2): re-mounted. Opts: (null)  
[   14.715972] systemd[1]: Started Remount Root and Kernel File Systems.  
[  OK  ] Started Remount Root and Kernel File Systems.  
[   14.783350] systemd[1]: Condition check resulted in Rebuild Hardware Database  
 being skipped.  
[   14.810562] systemd[1]: Condition check resulted in Create System Users being  
 skipped.  
[   14.884719] systemd[1]: Starting Create Static Device Nodes in /dev...  
         Starting Create Static Device Nodes in /dev...  
[   15.430370] systemd[1]: Started Create Static Device Nodes in /dev.  
[  OK  ] Started Create Static Device Nodes in /dev.  
[   15.482315] systemd[1]: Reached target Local File Systems (Pre).  
[  OK  ] Reached target Local File Systems (Pre).  
[   15.603685] systemd[1]: Mounting /media/ram...  
         Mounting /media/ram...  
[   15.722962] systemd[1]: Mounting /var/volatile...  
         Mounting /var/volatile...  
[   15.844168] systemd[1]: Starting udev Kernel Device Manager...  
         Starting udev Kernel Device Manager...  
[   15.934042] systemd[1]: Mounted /media/ram.  
[  OK  ] Mounted /media/ram.  
[   16.042242] systemd[1]: Mounted /var/volatile.  
[  OK  ] Mounted /var/volatile.  
[   16.092578] systemd[1]: Condition check resulted in Bind mount volatile /var/  
cache being skipped.  
[   16.121057] systemd[1]: Condition check resulted in Bind mount volatile /var/  
lib being skipped.  
[   16.213791] systemd[1]: Starting Load/Save Random Seed...  
         Starting Load/Save Random Seed...  
[   16.238926] systemd[1]: Condition check resulted in Bind mount volatile /var/  
spool being skipped.  
[   16.259892] systemd[1]: Condition check resulted in Bind mount volatile /srv  
being skipped.  
[   16.280302] systemd[1]: Reached target Local File Systems.  
[  OK  ] Reached target Local File Systems.  
[   16.301052] systemd[1]: Condition check resulted in Rebuild Dynamic Linker Ca  
che being skipped.  
[   16.330882] systemd[1]: Condition check resulted in Commit a transient machin  
e-id on disk being skipped.  
[   16.629211] systemd[1]: Started Load/Save Random Seed.  
[  OK  ] Started Load/Save Random Seed.  
[   16.931753] systemd[1]: Started Journal Service.  
[  OK  ] Started Journal Service.  
         Starting Flush Journal to Persistent Storage...  
[   17.320190] systemd-journald[78]: Received client request to flush runtime jo  
urnal.  
[  OK  ] Started Flush Journal to Persistent Storage.  
         Starting Create Volatile Files and Directories...  
[  OK  ] Started udev Kernel Device Manager.  
[  OK  ] Started Create Volatile Files and Directories.  
         Starting Network Time Synchronization...  
         Starting Update UTMP about System Boot/Shutdown...  
[  OK  ] Started Update UTMP about System Boot/Shutdown.  
[  OK  ] Started Network Time Synchronization.  
[  OK  ] Reached target System Time Set.  
[  OK  ] Reached target System Time Synchronized.  
[  OK  ] Started udev Coldplug all Devices.  
[  OK  ] Reached target System Initialization.  
[  OK  ] Started Daily Cleanup of Temporary Directories.  
[  OK  ] Reached target Timers.  
[  OK  ] Listening on Avahi mDNS/DNS-SD Stack Activation Socket.  
[  OK  ] Listening on D-Bus System Message Bus Socket.  
         Starting Docker Socket for the API.  
[  OK  ] Listening on dropbear.socket.  
[  OK  ] Listening on Docker Socket for the API.  
[  OK  ] Reached target Sockets.  
[  OK  ] Reached target Basic System.  
[  OK  ] Started D-Bus System Message Bus.  
         Starting IPv6 Packet Filtering Framework...  
         Starting IPv4 Packet Filtering Framework...  
         Starting rc.pvr.service...  
[   30.223037] remoteproc remoteproc0: wkup\_m3 is available  
         Starting Login Service...  
[  OK  ] Started IPv6 Packet Filtering Framework.  
[  OK  ] Started IPv4 Packet Filtering Framework.  
[  OK  ] Reached target Network (Pre).  
         Starting Network Service...  
[  OK  ] Started rc.pvr.service.  
         Starting telnetd.service...  
[  OK  ] Started telnetd.service.  
[  OK  ] Started Network Service.  
         Starting Wait for Network to be Configured...  
         Starting Network Name Resolution...  
[  OK  ] Started Login Service.  
[   37.049244] omap\_wdt: OMAP Watchdog Timer Rev 0x01: initial timeout 60 sec  
[   37.336676] omap\_rtc 44e3e000.rtc: registered as rtc0  
[   37.589606] omap\_rtc 44e3e000.rtc: setting system clock to 2000-01-01T00:00:0  
1 UTC (946684801)  
[  OK  ] Started Network Name Resolution.  
[  OK  ] Reached target Network.  
[  OK  ] Reached target Host and Network Name Lookups.  
         Starting Avahi mDNS/DNS-SD Stack...  
         Starting Enable and configure wl18xx bluetooth stack...  
         Starting Simple Network Ma��…ent Protocol (SNMP) Daemon....  
         Starting Permit User Sessions...  
[  OK  ] Started Permit User Sessions.  
[  OK  ] Started Getty on tty1.  
[  OK  ] Started Serial Getty on ttyS0.  
[  OK  ] Started Serial Getty on ttyS3.  
[  OK  ] Reached target Login Prompts.  
         Starting Synchronize System and HW clocks...  
[  OK  ] Started Avahi mDNS/DNS-SD Stack.  
[  OK  ] Started Enable and configure wl18xx bluetooth stack.  
[  OK  ] Started Synchronize System and HW clocks.  
[  OK  ] Started Simple Network Man��…ement Protocol (SNMP) Daemon..  
[   43.968839] remoteproc remoteproc0: powering up wkup\_m3  
[   44.005650] remoteproc remoteproc0: Booting fw image am335x-pm-firmware.elf,  
size 243276  
[   44.069400] wkup\_m3\_ipc 44e11324.wkup\_m3\_ipc: CM3 Firmware Version = 0x192  
[   44.076449] remoteproc remoteproc0: remote processor wkup\_m3 is now up  
[   45.249662] tps65910-rtc: probe of tps65910-rtc failed with error -121  
  
 \_\_\_\_\_                    \_\_\_\_\_           \_         \_     
|  \_  |\_\_\_ \_\_\_ \_\_\_ \_\_\_   |  \_  |\_\_\_ \_\_\_  |\_|\_\_\_ \_\_\_| |\_  
|     |  \_| .'| . | . |  |   \_\_|  \_| . | | | -\_|  \_|  \_|  
|\_\_|\_\_|\_| |\_\_,|\_  |\_\_\_|  |\_\_|  |\_| |\_\_\_|\_| |\_\_\_|\_\_\_|\_|    
              |\_\_\_|                    |\_\_\_|              
  
Arago Project http://arago-project.org am335x-evm ttyS0  
  
Arago 2021.09 am335x-evm ttyS0  
  
am335x-evm login: [   46.406598] am335x-phy-driver 47401300.usb-phy: supply vcc  
not found, using dummy regulator  
[   46.753753] am335x-phy-driver 47401b00.usb-phy: supply vcc not found, using d  
ummy regulator  
[   47.234354] usbcore: registered new interface driver usbfs  
[   47.299534] usbcore: registered new interface driver hub  
[   47.305335] usbcore: registered new device driver usb  
[   48.102040] musb-hdrc musb-hdrc.0: MUSB HDRC host driver  
[   48.107611] musb-hdrc musb-hdrc.0: new USB bus registered, assigned bus numbe  
r 1  
[   48.309704] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002, bc  
dDevice= 5.10  
[   48.318134] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=  
1  
[   48.518807] usb usb1: Product: MUSB HDRC host driver  
[   48.523921] usb usb1: Manufacturer: Linux 5.10.100-g7a7a3af903 musb-hcd  
[   48.638880] usb usb1: SerialNumber: musb-hdrc.0  
[   48.731855] hub 1-0:1.0: USB hub found  
[   48.798669] hub 1-0:1.0: 1 port detected  
[   49.159282] musb-hdrc musb-hdrc.1: MUSB HDRC host driver  
[   49.164858] musb-hdrc musb-hdrc.1: new USB bus registered, assigned bus numbe  
r 2  
[   49.350078] usb usb2: New USB device found, idVendor=1d6b, idProduct=0002, bc  
dDevice= 5.10  
[   49.448805] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=  
1  
[   49.456184] usb usb2: Product: MUSB HDRC host driver  
[   49.562355] usb usb2: Manufacturer: Linux 5.10.100-g7a7a3af903 musb-hcd  
[   49.648938] usb usb2: SerialNumber: musb-hdrc.1  
[   49.739844] hub 2-0:1.0: USB hub found  
[   49.779089] hub 2-0:1.0: 1 port detected  
  
am335x-evm login: root[   58.781118] PM: bootloader does not support rtc-only!  
  
[   59.777556] omap-sham 53100000.sham: hw accel on OMAP rev 4.3  
[   60.788945] omap-sham 53100000.sham: will run requests pump with realtime pri  
ority  
[   60.854217] omap-aes 53500000.aes: OMAP AES hw accel rev: 3.2  
[   61.149960] omap-aes 53500000.aes: will run requests pump with realtime prior  
ity  
root@am335x-evm:~# [   70.451623] cpsw-switch 4a100000.switch: starting ndev. mo  
de: dual\_mac                                              
[   70.553516] cpsw-switch 4a100000.switch: phy "/ocp/interconnect@4a000000/segm  
ent@0/target-module@100000/switch@0/mdio@1000/ethernet-phy@0" not found on slave 0                                                        
                                                          
root@am335x-evm:~# ifconfig  
eth0      Link encap:Ethernet  HWaddr 34:03:DE:66:55:6B    
          inet6 addr: fe80::3603:deff:fe66:556b/64 Scope:Link  
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1  
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0  
          TX packets:22 errors:0 dropped:0 overruns:0 carrier:0  
          collisions:0 txqueuelen:1000  
          RX bytes:0 (0.0 B)  TX bytes:3448 (3.3 KiB)  
  
lo        Link encap:Local Loopback    
          inet addr:127.0.0.1  Mask:255.0.0.0  
          inet6 addr: ::1/128 Scope:Host  
          UP LOOPBACK RUNNING  MTU:65536  Metric:1  
          RX packets:80 errors:0 dropped:0 overruns:0 frame:0  
          TX packets:80 errors:0 dropped:0 overruns:0 carrier:0  
          collisions:0 txqueuelen:1000  
          RX bytes:6080 (5.9 KiB)  TX bytes:6080 (5.9 KiB)  
  
root@am335x-evm:~# ifconfig eth0  
eth0      Link encap:Ethernet  HWaddr 34:03:DE:66:55:6B    
          inet6 addr: fe80::3603:deff:fe66:556b/64 Scope:Link  
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1  
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0  
          TX packets:27 errors:0 dropped:0 overruns:0 carrier:0  
          collisions:0 txqueuelen:1000  
          RX bytes:0 (0.0 B)  TX bytes:4590 (4.4 KiB)  
  
root@am335x-evm:~# ethtool eth0  
Settings for eth0:  
        Supports Wake-on: d  
        Wake-on: d  
        Current message level: 0x00000000 (0)  
                                
        Link detected: yes  
root@am335x-evm:~# [  173.368180] Initializing XFRM netlink socket  
  
root@am335x-evm:~# dmesg | grep eth  
[    5.809470] cpuidle: enable-method property 'ti,am3352' found operations  
[   70.553516] cpsw-switch 4a100000.switch: phy "/ocp/interconnect@4a000000/segm  
ent@0/target-module@100000/switch@0/mdio@1000/ethernet-phy@0" not found on slave  
 0  
root@am335x-evm:~#