

66 removals

128 lines

245 additions

305 lines

```
1 U-Boot 2021.01-g2ee8efd654 (Feb 24 2023
  - 05:36:12 +0000)
2
3 SoC:   AM62X SR1.0 GP
4 Model: Texas Instruments AM625 SK
5 EEPROM not available at 0x50, trying to
  read at 0x51
6 Reading on-board EEPROM at 0x51 failed
  1
7 DRAM:  2 GiB
8 MMC:   mmc@fa10000: 0, mmc@fa00000: 1,
  mmc@fa20000: 2
9 Loading Environment from MMC... OK
10 In:    serial@2800000
11 Out:   serial@2800000
12 Err:   serial@2800000
13 EEPROM not available at 0x50, trying to
  read at 0x51
14 Reading on-board EEPROM at 0x51 failed
  1
15 Net:   eth0: ethernet@8000000port@1
16 Hit any key to stop autoboot: 0
17 switch to partitions #0, OK
18 mmc0(part 0) is current device
19 SD/MMC found on device 0
20 Failed to load 'boot.scr'
21 ** Unrecognized filesystem type **
22 18862592 bytes read in 113 ms (159.2 Mi
  B/s)
23 57533 bytes read in 5 ms (11 MiB/s)
24 ## Flattened Device Tree blob at 880000
  00
25   Booting using the fdt blob at 0x8800
  0000
26   Loading Device Tree to 00000008feee
  000, end 00000008ffffff ... OK
27
28 Starting kernel ...
```

```
1
2 U-Boot 2021.01-g2ee8efd654 (Feb 24 2023
  - 05:36:12 +0000)
3
4 SoC:   AM62X SR1.0 GP
5 Model: Texas Instruments AM625 SK
6 EEPROM not available at 0x50, trying to
  read at 0x51
7 Board: AM62-SKEVM rev E3
8 DRAM:  2 GiB
9 MMC:   mmc@fa10000: 0, mmc@fa00000: 1,
  mmc@fa20000: 2
10 Loading Environment from MMC... OK
11 In:    serial@2800000
12 Out:   serial@2800000
13 Err:   serial@2800000
14 Net:   eth0: ethernet@8000000port@1
15 Hit any key to stop autoboot: 0
16 switch to partitions #0, OK
17 mmc0(part 0) is current device
18 SD/MMC found on device 0
19 Failed to load 'boot.scr'
20 ** Unrecognized filesystem type **
21 18862592 bytes read in 112 ms (160.6 Mi
  B/s)
22 55666 bytes read in 5 ms (10.6 MiB/s)
23 ## Flattened Device Tree blob at 880000
  00
24   Booting using the fdt blob at 0x8800
  0000
25   Loading Device Tree to 00000008feef
  000, end 00000008ffffff ... OK
26
27 Starting kernel ...
```

29
30 [0.000000] Booting Linux on physical CPU 0x000000000 [0x410fd034]
31 [0.000000] Linux version 5.10.168-rt83-gc1a1291911 (oe-user@oe-host) (aarch64-none-linux-uid (GNU Toolchain for the A-profile Architecture 9.2-2019.12 (arm-9.10)) 2.33.1.20191209) #
32 [0.000000] Machine model: Texas Instruments AM625 SK
33 [0.000000] earlycon: ns16550a0 at MIO32 0x000000002800000 (options '')
34 [0.000000] printk: bootconsole [ns16550a0] enabled
35 [0.000000] efi: UEFI not found.
36 [0.000000] Reserved memory: created DMA memory pool at 0x000000009c800000, size 3 MiB
37 [0.000000] OF: reserved mem: initialized node ipc-memories@9c800000, compatible id shared
38 [0.000000] Reserved memory: created DMA memory pool at 0x000000009cb00000, size 1 MiB
39 [0.000000] OF: reserved mem: initialized node m4f-dma-memory@9cb00000, compatible id shared
40 [0.000000] Reserved memory: created DMA memory pool at 0x000000009cc00000, size 14 MiB
41 [0.000000] OF: reserved mem: initialized node m4f-memory@9cc00000, compatible id shared-d
42 [0.000000] Reserved memory: created DMA memory pool at 0x000000009da00000, size 1 MiB
43 [0.000000] OF: reserved mem: initialized node r5f-dma-memory@9da00000, compatible id shared
44 [0.000000] Reserved memory: created DMA memory pool at 0x000000009db00000, size 12 MiB
45 [0.000000] OF: reserved mem: initialized node r5f-memory@9db00000, compatible id shared-d
46 [0.000000] Zone ranges:

28
29 [0.000000] Booting Linux on physical CPU 0x000000000 [0x410fd034]
30 [0.000000] Linux version 5.10.168-rt83-gc1a1291911 (oe-user@oe-host) (aarch64-none-linux-uid (GNU Toolchain for the A-profile Architecture 9.2-2019.12 (arm-9.10)) 2.33.1.20191209) #
31 [0.000000] Machine model: Texas Instruments AM625 SK
32 [0.000000] earlycon: ns16550a0 at MIO32 0x000000002800000 (options '')
33 [0.000000] printk: bootconsole [ns16550a0] enabled
34 [0.000000] efi: UEFI not found.
35 [0.000000] Reserved memory: created DMA memory pool at 0x000000009c800000, size 3 MiB
36 [0.000000] OF: reserved mem: initialized node ipc-memories@9c800000, compatible id shared
37 [0.000000] Reserved memory: created DMA memory pool at 0x000000009cb00000, size 1 MiB
38 [0.000000] OF: reserved mem: initialized node m4f-dma-memory@9cb00000, compatible id shared
39 [0.000000] Reserved memory: created DMA memory pool at 0x000000009cc00000, size 14 MiB
40 [0.000000] OF: reserved mem: initialized node m4f-memory@9cc00000, compatible id shared-d
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43 [0.000000] Reserved memory: created DMA memory pool at 0x000000009db00000, size 12 MiB
44 [0.000000] OF: reserved mem: initialized node r5f-memory@9db00000, compatible id shared-d
45 [0.000000] Zone ranges:

47 [0.000000] DMA [mem 0x0000000080000000-0x00000000ffffffff]
48 [0.000000] DMA32 empty
49 [0.000000] Normal empty
50 [0.000000] Movable zone start for each node
51 [0.000000] Early memory node ranges
52 [0.000000] node 0: [mem 0x0000000080000000-0x000000009c7fffffff]
53 [0.000000] node 0: [mem 0x0000000009c800000-0x000000009e6fffffff]
54 [0.000000] node 0: [mem 0x0000000009e700000-0x000000009e77fffff]
55 [0.000000] node 0: [mem 0x0000000009e780000-0x000000009fffffff]
56 [0.000000] node 0: [mem 0x000000000a0000000-0x00000000ffffffff]
57 [0.000000] Initmem setup node 0 [mem 0x0000000080000000-0x00000000ffffffff]
58 [0.000000] On node 0 totalpages: 524288
59 [0.000000] DMA zone: 8192 pages used for memmap
60 [0.000000] DMA zone: 0 pages reserved
61 [0.000000] DMA zone: 524288 pages, LIFO batch:63
62 [0.000000] cma: Reserved 512 MiB at 0x00000000dd000000
63 [0.000000] psci: probing for conduit method from DT.
64 [0.000000] psci: PSCIv1.1 detected in firmware.
65 [0.000000] psci: Using standard PSCI v0.2 function IDs
66 [0.000000] psci: Trusted OS migration not required
67 [0.000000] psci: SMC Calling Convention v1.2
68 [0.000000] percpu: Embedded 18 pages/cpu s35392 r8192 d30144 u73728
69 [0.000000] pcpu-alloc: s35392 r8192 d30144 u73728 alloc=18*4096
70 [0.000000] pcpu-alloc: [0] 0 [0] 1 [0] 2 [0] 3

46 [0.000000] DMA [mem 0x0000000080000000-0x00000000ffffffff]
47 [0.000000] DMA32 empty
48 [0.000000] Normal empty
49 [0.000000] Movable zone start for each node
50 [0.000000] Early memory node ranges
51 [0.000000] node 0: [mem 0x0000000080000000-0x000000009c7fffffff]
52 [0.000000] node 0: [mem 0x0000000009c800000-0x000000009e6fffffff]
53 [0.000000] node 0: [mem 0x0000000009e700000-0x000000009e77fffff]
54 [0.000000] node 0: [mem 0x0000000009e780000-0x000000009fffffff]
55 [0.000000] node 0: [mem 0x000000000a0000000-0x00000000ffffffff]
56 [0.000000] Initmem setup node 0 [mem 0x0000000080000000-0x00000000ffffffff]
57 [0.000000] On node 0 totalpages: 524288
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69 [0.000000] pcpu-alloc: [0] 0 [0] 1 [0] 2 [0] 3

```
71 [ 0.000000] Detected VIPT I-cache on CPU0
72 [ 0.000000] CPU features: detected: ARM erratum 845719
73 [ 0.000000] CPU features: detected: GIC system register CPU interface
74 [ 0.000000] Built 1 zonelists, mobility grouping on. Total pages: 516096
75 [ 0.000000] Kernel command line: console=ttyS2,115200n8 earlycon=ns16550a,mio32,0x0280000
76 [ 0.000000] Dentry cache hash table entries: 262144 (order: 9, 2097152 bytes, linear)
77 [ 0.000000] Inode-cache hash table entries: 131072 (order: 8, 1048576 bytes, linear)
78 [ 0.000000] mem auto-init: stack:off, heap alloc:off, heap free:off
79 [ 0.000000] Memory: 1456212K/2097152K available (11008K kernel code, 1204K rwdata, 4272K r
80 [ 0.000000] Unable to handle kernel paging request at virtual address ffff800112e61c50
81 [ 0.000000] Mem abort info:
82 [ 0.000000] ESR = 0x96000005
83 [ 0.000000] EC = 0x25: DABT (current EL), IL = 32 bits
84 [ 0.000000] SET = 0, FnV = 0
85 [ 0.000000] EA = 0, S1PTW = 0
86 [ 0.000000] Data abort info:
87 [ 0.000000] ISV = 0, ISS = 0x00000005
88 [ 0.000000] CM = 0, WnR = 0
89 [ 0.000000] swapper pgtable: 4k pages, 48-bit VAs, pgdp=0000000082f01000
90 [ 0.000000] [ffff800112e61c50] pgd=00000000fffff003, p4d=00000000fffff003,
```

```
70 [ 0.000000] Detected VIPT I-cache on CPU0
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77 [ 0.000000] mem auto-init: stack:off, heap alloc:off, heap free:off
78 [ 0.000000] Memory: 1456224K/2097152K available (11008K kernel code, 1204K rwdata, 4272K r
79 [ 0.000000] SLUB: HWalign=64, Order=0-3, MinObjects=0, CPUs=4, Nodes=1
80 [ 0.000000] rcu: Preemptible hierarchical RCU implementation.
81 [ 0.000000] rcu: RCU event tracing is enabled.
82 [ 0.000000] rcu: RCU restricting CPUs from NR_CPUS=256 to nr_cpu_ids=4.
83 [ 0.000000] rcu: RCU priority boosting: priority 1 delay 500 ms.
84 [ 0.000000] rcu: RCU_SOFTIRQ processing moved to rcuc kthreads.
85 [ 0.000000] No expedited grace period (rcu_normal_after_boot).
86 [ 0.000000] Trampoline variant of Tasks RCU enabled.
87 [ 0.000000] Tracing variant of Tasks RCU enabled.
88 [ 0.000000] rcu: RCU calculated value of scheduler-enlistment delay is 25 jiffies.
89 [ 0.000000] rcu: Adjusting geometry for rcu_fanout_leaf=16, nr_cpu_ids=4
```

```
pud=0000000000
91 [ 0.000000] Internal error: Oops: 96
000005 [#1] PREEMPT_RT SMP
92 [ 0.000000] Modules linked in:
93 [ 0.000000] CPU: 0 PID: 0 Comm: swap
per Not tainted 5.10.168-rt83-gc1a12919
11 #1
94 [ 0.000000] Hardware name: Texas Ins
truments AM625 SK (DT)
95 [ 0.000000] pstate: 20000085 (nzCv d
aIf -PAN -UAO -TCO BTYPE=--)
96 [ 0.000000] pc : +0x1c91f8/0x1270000
97 [ 0.000000] lr : +0x1cbc44/0x1270000
98 [ 0.000000] sp : ffff8000110d3cd0
99 [ 0.000000] x29: ffff8000110d3cd0 x2
8: ffff8000111e5200
100 [ 0.000000] x27: 0000000000000010 x2
6: 0000000000000000
101 [ 0.000000] x25: 0000000000000000 x2
4: ffff00007fb93c28
102 [ 0.000000] x23: 0000000000000000 x2
2: 0000000000000000
103 [ 0.000000] x21: 0000000000000000 x2
0: 00000000000000c0
104 [ 0.000000] x19: ffff00007fb93c38 x1
8: 000000000000002
105 [ 0.000000] x17: 000000000012000 x1
6: ffff8000111e6000
106 [ 0.000000] x15: 0000000000000000 x1
4: 0000000000000000
107 [ 0.000000] x13: 000000000000000a x1
2: ffff8000111e56d0
108 [ 0.000000] x11: ffff00007fb93c38 x1
0: 00000000000000c
109 [ 0.000000] x9 : 0000000000000000 x8
: 0000000000000000
110 [ 0.000000] x7 : ffff800112e61c50 x6
: ffff8000111e56d0
```

```
[ 0.000000] NR_IRQS: 64, nr_irqs: 6
4, preallocated irqs: 0
91 [ 0.000000] GICv3: GIC: Using split
EOI/Deactivate mode
92 [ 0.000000] GICv3: 256 SPIs implemen
ted
93 [ 0.000000] GICv3: 0 Extended SPIs i
mplemented
94 [ 0.000000] GICv3: Distributor has n
o Range Selector support
95 [ 0.000000] GICv3: 16 PPIs implement
ed
96 [ 0.000000] GICv3: CPU0: found redis
tributor 0 region 0:0x000000001880000
97 [ 0.000000] ITS [mem 0x01820000-0x01
82ffff]
98 [ 0.000000] GIC: enabling workaround
for ITS: Socionext Synquacer pre-ITS
99 [ 0.000000] ITS@0x000000001820000:
Devices Table too large, reduce ids 20-
>19
100 [ 0.000000] ITS@0x000000001820000:
allocated 524288 Devices @8080000 (fla
t, esz 8, psz 6
101 [ 0.000000] ITS: using cache flushin
g for cmd queue
102 [ 0.000000] GICv3: using LPI propert
y table @0x0000000080030000
103 [ 0.000000] GIC: using cache flushin
g for LPI property table
104 [ 0.000000] GICv3: CPU0: using alloc
ated LPI pending table @0x0000000080040
000
105 [ 0.000000] arch_timer: cp15 timer
(s) running at 200.00MHz (phys).
106 [ 0.000000] clocksource: arch_sys_co
unter: mask: 0xffffffffffffff max_cycle
s: 0x2e2049d3e8
107 [ 0.000001] sched_clock: 56 bits at
200MHz, resolution 5ns, wraps every 439
8046511102ns
108 [ 0.008534] Console: colour dummy de
vice 80x25
109 [ 0.013128] Calibrating delay loop
(skipped), value calculated using timer
```

```
111 [ 0.000000] x5 : ffff800010af1c78 x4
: ffff8000110d3de7
112 [ 0.000000] x3 : 0000000000000000 x2
: 0000000101c7c580
113 [ 0.000000] x1 : 000000000000000a x0
: 00000000101c7c58

114 [ 0.000000] Call trace:

115 [ 0.000000] +0x1c91f8/0x1270000
116 [ 0.000000] +0x1ced90/0x1270000
117 [ 0.000000] +0x1ea0fc/0x1270000
118 [ 0.000000] +0x1eee0c/0x1270000
119 [ 0.000000] +0xf21cc0/0xf575bc
120 [ 0.000000] +0xf265a4/0xf575bc
121 [ 0.000000] +0xf10dd8/0xf575bc

122 [ 0.000000] Code: 9b2a1445 d503201f
937c7c02 8b0200c7 (f86268c2)

123 [ 0.000000] ---[ end trace 00000000
00000001 ]---
124 [ 0.000000] Kernel panic - not synci
ng:
125 [ 0.000000] Attempted to kill the id
le task!
126 [ 0.000000] ---[ end Kernel panic -
not syncing: Attempted to kill the idle
task! ]---

127
128
```

```
frequency.. 400
110 [ 0.023808] pid_max: default: 32768
minimum: 301
111 [ 0.028628] LSM: Security Framework
initializing
112 [ 0.033425] Mount-cache hash table e
ntries: 4096 (order: 3, 32768 bytes, li
near)
113 [ 0.041006] Mountpoint-cache hash ta
ble entries: 4096 (order: 3, 32768 byte
s, linear)
114 [ 0.051006] rcu: Hierarchical SRCU i
mplementation.
115 [ 0.056445] Platform MSI: msi-contro
ller@1820000 domain created
116 [ 0.062830] PCI/MSI: /bus@f0000/inte
rrupt-controller@1800000/msi-controller
@1820000 domain
117 [ 0.072122] EFI services will not be
available.
118 [ 0.077085] smp: Bringing up seconda
ry CPUs ...
119 [ 0.082504] Detected VIPT I-cache on
CPU1
120 [ 0.086640] GICv3: CPU1: found redis
tributor 1 region 0:0x0000000018a0000
121 [ 0.093677] GICv3: CPU1: using alloc
ated LPI pending table @0x0000000080050
000
122 [ 0.101113] CPU1: Booted secondary p
rocessor 0x0000000001 [0x410fd034]
123 [ 0.108668] Detected VIPT I-cache on
CPU2
124 [ 0.112793] GICv3: CPU2: found redis
tributor 2 region 0:0x0000000018c0000
125 [ 0.119827] GICv3: CPU2: using alloc
ated LPI pending table @0x0000000080060
000
126 [ 0.127246] CPU2: Booted secondary p
rocessor 0x0000000002 [0x410fd034]
127 [ 0.134741] Detected VIPT I-cache on
CPU3
128 [ 0.138862] GICv3: CPU3: found redis
tributor 3 region 0:0x0000000018e0000
129 [ 0.145896] GICv3: CPU3: using alloc
ated LPI pending table @0x0000000080070
000
```

```
130 [ 0.153310] CPU3: Booted secondary p
rocessor 0x0000000003 [0x410fd034]
131 [ 0.160080] smp: Brought up 1 node,
4 CPUs
132 [ 0.164286] SMP: Total of 4 processo
rs activated.
133 [ 0.169104] CPU features: detected:
32-bit EL0 Support
134 [ 0.174366] CPU features: detected:
CRC32 instructions
135 [ 0.186763] CPU: All CPU(s) started
at EL2
136 [ 0.190969] alternatives: patching k
ernel code
137 [ 0.196724] devtmpfs: initialized
138 [ 0.208358] KASLR disabled due to la
ck of seed
139 [ 0.213078] clocksource: jiffies: ma
sk: 0xffffffff max_cycles: 0xffffffff,
max_idle_ns: 76
140 [ 0.223055] futex hash table entrie
s: 1024 (order: 5, 131072 bytes, linea
r)
141 [ 0.244652] pinctrl core: initialize
d pinctrl subsystem
142 [ 0.250618] DMI not present or inval
id.
143 [ 0.255260] NET: Registered protocol
family 16
144 [ 0.261815] DMA: preallocated 256 Ki
B GFP_KERNEL pool for atomic allocation
s
145 [ 0.269191] DMA: preallocated 256 Ki
B GFP_KERNEL|GFP_DMA pool for atomic al
locations
146 [ 0.277292] DMA: preallocated 256 Ki
B GFP_KERNEL|GFP_DMA32 pool for atomic
allocations
147 [ 0.286081] thermal_sys: Registered
thermal governor 'step_wise'
148 [ 0.286695] hw-breakpoint: found 6 b
reakpoint and 4 watchpoint registers.
149 [ 0.299880] ASID allocator initialis
ed with 65536 entries
150 [ 0.332503] HugeTLB registered 1.00
GiB page size, pre-allocated 0 pages
```

```
151 [ 0.339418] HugeTLB registered 32.0
MiB page size, pre-allocated 0 pages
152 [ 0.346283] HugeTLB registered 2.00
MiB page size, pre-allocated 0 pages
153 [ 0.353179] HugeTLB registered 64.0
KiB page size, pre-allocated 0 pages
154 [ 0.361070] cryptd: max_cpu_qlen set
to 1000
155 [ 0.368633] k3-chipinfo 43000014.chi
pid: Family:AM62X rev:SR1.0 JTAGID[0x0b
b7e02f] Detecte
156 [ 0.377803] vcc_5v0: supplied by vma
in_pd
157 [ 0.382380] vcc_3v3_sys: supplied by
vmain_pd
158 [ 0.387360] vcc_1v8: supplied by vcc
_3v3_sys
159 [ 0.392938] iommu: Default domain ty
pe: Translated
160 [ 0.398352] SCSI subsystem initializ
ed
161 [ 0.402651] mc: Linux media interfac
e: v0.10
162 [ 0.407057] videodev: Linux video ca
pture interface: v2.00
163 [ 0.412752] pps_core: LinuxPPS API v
er. 1 registered
164 [ 0.417838] pps_core: Software ver.
5.3.6 - Copyright 2005-2007 Rodolfo Gio
metti <giometti
165 [ 0.427197] PTP clock support regist
ered
166 [ 0.431241] EDAC MC: Ver: 3.0.0
167 [ 0.435173] omap-mailbox 29000000.ma
ilbox: omap mailbox rev 0x66fc9100
168 [ 0.442387] FPGA manager framework
169 [ 0.445987] Advanced Linux Sound Arc
hitecture Driver Initialized.
170 [ 0.453170] clocksource: Switched to
clocksource arch_sys_counter
171 [ 0.459658] VFS: Disk quotas dquot_
6.6.0
172 [ 0.463730] VFS: Dquot-cache hash ta
ble entries: 512 (order 0, 4096 bytes)
173 [ 0.476880] NET: Registered protocol
family 2
```

```
174 [ 0.481655] IP idents hash table ent
ries: 32768 (order: 6, 262144 bytes, li
near)
175 [ 0.490451] tcp_listen_portaddr_hash
hash table entries: 1024 (order: 4, 655
36 bytes, line
176 [ 0.499276] TCP established hash tab
le entries: 16384 (order: 5, 131072 byt
es, linear)
177 [ 0.507533] TCP bind hash table entr
ies: 16384 (order: 7, 917504 bytes, lin
ear)
178 [ 0.515921] TCP: Hash tables configu
red (established 16384 bind 16384)
179 [ 0.523027] UDP hash table entries:
1024 (order: 5, 131072 bytes, linear)
180 [ 0.530153] UDP-Lite hash table entr
ies: 1024 (order: 5, 131072 bytes, line
ar)
181 [ 0.537951] NET: Registered protocol
family 1
182 [ 0.543030] RPC: Registered named UN
IX socket transport module.
183 [ 0.549134] RPC: Registered udp tran
sport module.
184 [ 0.553944] RPC: Registered tcp tran
sport module.
185 [ 0.558752] RPC: Registered tcp NFSv
4.1 backchannel transport module.
186 [ 0.565341] NET: Registered protocol
family 44
187 [ 0.569899] PCI: CLS 0 bytes, defaul
t 64
188 [ 0.574814] hw perfevents: enabled w
ith armv8_cortex_a53 PMU driver, 7 coun
ters available
189 [ 0.587245] Initialise system truste
d keyrings
190 [ 0.592073] workingset: timestamp_bi
ts=46 max_order=19 bucket_order=0
191 [ 0.603455] squashfs: version 4.0 (2
009/01/31) Phillip Lougher
192 [ 0.610143] NFS: Registering the id_
resolver key type
193 [ 0.615393] Key type id_resolver reg
istered
```

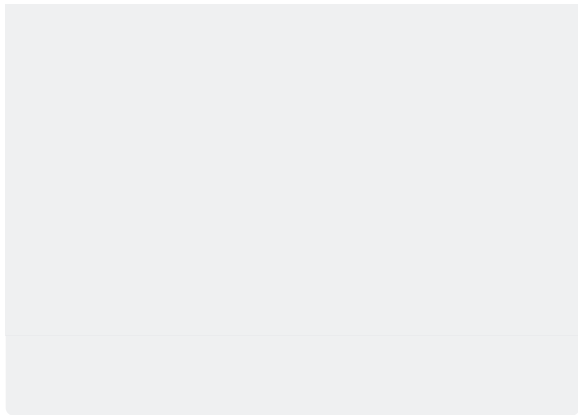
```
194 [ 0.619682] Key type id_legacy regis
tered
195 [ 0.623887] nfs4filelayout_init: NFS
v4 File Layout Driver Registering...
196 [ 0.630769] nfs4flexfilelayout_init:
NFSv4 Flexfile Layout Driver Registerin
g...
197 [ 0.638583] 9p: Installing v9fs 9p20
00 file system support
198 [ 0.679231] Key type asymmetric regi
stered
199 [ 0.683455] Asymmetric key parser 'x
509' registered
200 [ 0.688503] Block layer SCSI generic
(bsg) driver version 0.4 loaded (major
243)
201 [ 0.696079] io scheduler mq-deadline
registered
202 [ 0.700718] io scheduler kyber regis
tered
203 [ 0.707183] pinctrl-single 4084000.p
inctrl: 34 pins, size 136
204 [ 0.713623] pinctrl-single f4000.pin
ctrl: 171 pins, size 684
205 [ 0.728056] Serial: 8250/16550 drive
r, 10 ports, IRQ sharing enabled
206 [ 0.749630] brd: module loaded
207 [ 0.761721] loop: module loaded
208 [ 0.765968] megasas: 07.714.04.00-rc
1
209 [ 0.773985] tun: Universal TUN/TAP d
evice driver, 1.6
210 [ 0.779821] igbvf: Intel(R) Gigabit
Virtual Function Network Driver
211 [ 0.786267] igbvf: Copyright (c) 200
9 - 2012 Intel Corporation.
212 [ 0.792389] sky2: driver version 1.3
0
213 [ 0.797256] VFIO - User Level meta-d
river version: 0.3
214 [ 0.803680] i2c /dev entries driver
215 [ 0.808488] sdhci: Secure Digital Ho
st Controller Interface driver
216 [ 0.814827] sdhci: Copyright(c) Pier
re Ossman
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217 [ 0.819621] sdhci-pltfm: SDHCI platform and OF driver helper
218 [ 0.826816] SMCCC: SOC_ID: ARCH_SOC_ID not implemented, skipping ....
219 [ 0.835147] optee: probing for conduit method.
220 [ 0.839785] optee: revision 3.20 (8e74d476)
221 [ 0.840097] optee: dynamic shared memory is enabled
222 [ 0.849615] optee: initialized driver
223 [ 0.855560] NET: Registered protocol family 17
224 [ 0.860322] 9pnet: Installing 9P2000 support
225 [ 0.864797] Key type dns_resolver registered
226 [ 0.869540] printk: bootconsole [ns16550a0]: printing thread started
227 [ 0.869593] Loading compiled-in X.509 certificates
228 [ 0.882359] ti-sci 44043000.system-controller: lpm region is required for suspend but not
229 [ 0.882448] ti-sci 44043000.system-controller: ABI: 3.1 (firmware rev 0x0008 '8.6.4--v08.0
230 [ 0.947521] davinci-mcasp 2b10000.mcasp: IRQ common not found
231 [ 0.950213] omap-gpmc 3b000000.memory-controller: GPMC revision 6.0
232 [ 0.950230] gpmc_mem_init: disabling cs 0 mapped at 0x0-0x1000000
233 [ 0.953602] omap_i2c 20000000.i2c: bus 0 rev0.12 at 400 kHz
234 [ 0.955661] omap_i2c 20010000.i2c: bus 1 rev0.12 at 100 kHz
235 [ 0.956283] ti-sci-intr 4210000.interrupt-controller: Interrupt Router 5 domain created
236 [ 0.979456] printk: console [ttyS2]: printing thread started
237 [ 0.956457] ti-sci-intr bus@f0000:interrupt-controller@a0000: Interrupt Router 3 domain c
```

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238 [ 0.979474] printk: console [ttyS2]
enabled
239 [ 0.979478] printk: bootconsole [ns1
6550a0] disabled
240 [ 1.002310] printk: bootconsole [ns1
6550a0]: printing thread stopped
241 [ 1.008191] spi-nor spi0.0: s28hs512
t (65536 Kbytes)
242 [ 1.008246] 7 fixed-partitions parti
tions found on MTD device fc40000.spi.0
243 [ 1.008252] Creating 7 MTD partition
s on "fc40000.spi.0":
244 [ 1.008258] 0x000000000000-0x0000000
80000 : "ospi.tiboot3"
245 [ 1.009781] 0x000000080000-0x0000002
80000 : "ospi.tispl"
246 [ 1.011003] 0x000000280000-0x0000006
80000 : "ospi.u-boot"
247 [ 1.012173] 0x000000680000-0x0000006
c0000 : "ospi.env"
248 [ 1.013463] 0x0000006c0000-0x0000007
00000 : "ospi.env.backup"
249 [ 1.014706] 0x000000800000-0x0000003f
c0000 : "ospi.rootfs"
250 [ 1.015884] 0x0000003fc0000-0x00000040
00000 : "ospi.phypattern"
251 [ 1.024415] davinci_mdio 8000f00.mdi
o: Configuring MDIO in manual mode
252 [ 1.061188] davinci_mdio 8000f00.mdi
o: davinci mdio revision 9.7, bus freq
1000000
253 [ 1.063374] davinci_mdio 8000f00.mdi
o: phy[0]: device 8000f00.mdio:00, driv
er TI DP83867
254 [ 1.063387] davinci_mdio 8000f00.mdi
o: phy[1]: device 8000f00.mdio:01, driv
er TI DP83867
255 [ 1.063493] am65-cpsw-nuss 8000000.e
thernet: initializing am65 cpsw nuss ve
rsion 0x6BA0110
256 [ 1.063691] am65-cpsw-nuss 8000000.e
thernet: initialized cpsw ale version
1.5
257 [ 1.063698] am65-cpsw-nuss 8000000.e
thernet: ALE Table size 512
258 [ 1.064475] am65-cpsw-nuss 8000000.e
thernet: CPTS ver 0x4e8a010c, freq:5000
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00000, add_val:
259 [ 1.066540] am65-cpsw-nuss 8000000.ethernet: set new flow-id-base 19
260 [ 1.070700] rtc-ti-k3 2b1f0000.rtc: registered as rtc0
261 [ 1.070749] rtc-ti-k3 2b1f0000.rtc: setting system clock to 1970-01-01T00:00:06 UTC (6)
262 [ 1.174028] mmc0: CQHCI version 5.10
263 [ 1.176368] davinci-mcasp 2b100000.mcasp: IRQ common not found
264 [ 1.195852] pca953x 1-0022: supply vcc not found, using dummy regulator
265 [ 1.196011] pca953x 1-0022: using AI
266 [ 1.220758] sii902x 1-003b: supply iovcc not found, using dummy regulator
267 [ 1.220904] sii902x 1-003b: supply vcc12 not found, using dummy regulator
268 [ 1.223927] i2c i2c-1: Added multiplexed i2c bus 2
269 [ 1.225752] mmc0: SDHCI controller on fa100000.mmc [fa100000.mmc] using ADMA 64-bit
270 [ 1.226494] [drm] Initialized tidss 1.0.0 20180215 for 30200000.dss on minor 0
271 [ 1.227037] tidss 30200000.dss: [drm] Cannot find any crtc or sizes
272 [ 1.229983] vdd_mmc1: supplied by vcc_3v3_sys
273 [ 1.231865] wlan_lten: supplied by vcc_3v3_sys
274 [ 1.234378] wlan_en: supplied by wlan_lten
275 [ 1.234412] mmc1: CQHCI version 5.10
276 [ 1.234639] mmc2: CQHCI version 5.10
277 [ 1.235401] debugfs: Directory 'pd:53' with parent 'pm_genpd' already present!
278 [ 1.235469] debugfs: Directory 'pd:52' with parent 'pm_genpd' already present!
279 [ 1.235533] debugfs: Directory 'pd:51' with parent 'pm_genpd' already present!
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280 [ 1.235958] debugfs: Directory 'pd:1
82' with parent 'pm_genpd' already pres
ent!
281 [ 1.249702] ALSA device list:
282 [ 1.249717] No soundcards found.
283 [ 1.276192] mmc2: SDHCI controller o
n fa20000.mmc [fa20000.mmc] using ADMA
64-bit
284 [ 1.281682] sdhci-am654 fa20000.mmc:
card claims to support voltages below d
efined range
285 [ 1.294637] mmc2: new high speed SDI
O card at address 0001
286 [ 1.313654] mmc0: Command Queue Engi
ne enabled
287 [ 1.313673] mmc0: new HS200 MMC card
at address 0001
288 [ 1.314418] mmcblk0: mmc0:0001 S0J56
X 14.8 GiB
289 [ 1.314627] mmcblk0boot0: mmc0:0001
S0J56X partition 1 31.5 MiB
290 [ 1.314827] mmcblk0boot1: mmc0:0001
S0J56X partition 2 31.5 MiB
291 [ 1.315023] mmcblk0rpbm: mmc0:0001 S
0J56X partition 3 4.00 MiB, chardev (23
7:0)
292 [ 1.316436] mmcblk0: p1
293 [ 2.754134] sdhci-am654 fa00000.mmc:
Power on failed
294 [ 2.784784] mmc1: SDHCI controller o
n fa00000.mmc [fa00000.mmc] using ADMA
64-bit
295 [ 2.816773] EXT4-fs (mmcblk0p1): rec
overy complete
296 [ 2.817430] EXT4-fs (mmcblk0p1): mou
nted filesystem with ordered data mode.
Opts: (null)
297 [ 2.817522] VFS: Mounted root (ext4
filesystem) on device 179:1.
298 [ 2.818069] devtmpfs: mounted
299 [ 2.819434] Freeing unused kernel me
mory: 1792K
300 [ 2.819549] Run /sbin/init as init p
rocess
301 [ 2.894965] systemd[1]: System time
before build time, advancing clock.
```



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302 [ 2.926706] NET: Registered protocol
family 10
303 [ 2.927951] Segment Routing with IPv
6
304 [ 2.947703] systemd[1]: systemd 244.
5+ running in system mode. (+PAM -AUDIT
-SELINUX +IMA LUTILS +KMOD -IDN2 -IDN
-PCRE2 default-hierarchy=hybrid)
305 [ 2.948196] systemd[1]: Detected arc
hitecture arm64.
```