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# 1.1 atf-v1-2-marvell-patches 17.01.0

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OPEN SOURCE DELIVERABLES

The following are Open Source Deliverables:

[ARM Trusted Firmware (ATF) " Marvell patches] [Marvell] [Source code] [BSD3 https://github.com/ARM-software/arm-trusted-firmware/blob/master/license.rst]

# 1.2 gobi-drivers SWI\_2.25

## 1.2.1 Available under license:

FILE:

GobiSerial.c

#### DESCRIPTION:

Linux Qualcomm Serial USB driver Implementation

#### PUBLIC DRIVER FUNCTIONS:

GobiProbe

GobiOpen

GobiClose

GobiReadBulkCallback

GobiSerialSuspend

GobiSerialResume (if kernel is less than 2.6.24)

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#### FILE:

GobiUSBNet.c

#### **DESCRIPTION:**

Qualcomm USB Network device for Gobi 3000

#### **FUNCTIONS:**

GobiNetSuspend

GobiNetResume

GobiNetDriverBind

GobiNetDriverUnbind

GobiUSBNetURBCallback

GobiUSBNetTXTimeout

GobiUSBNetAutoPMThread

GobiUSBNetStartXmit

GobiUSBNetOpen

GobiUSBNetStop

GobiUSBNetProbe

GobiUSBNetModInit

GobiUSBNetModExit

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## 1.3 arm-trusted-firmware-atf 1.2

### 1.3.1 Available under license:

#ifndef \_FDT\_H #define \_FDT\_H

/\*

- \* libfdt Flat Device Tree manipulation
- \* Copyright (C) 2006 David Gibson, IBM Corporation.
- \* Copyright 2012 Kim Phillips, Freescale Semiconductor.

\*

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```
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*/
#ifndef __ASSEMBLY__
#include <libfdt env.h>
struct fdt_header {
fdt32_t magic; /* magic word FDT_MAGIC */
fdt32_t totalsize; /* total size of DT block */
fdt32_t off_dt_struct; /* offset to structure */
fdt32_t off_dt_strings; /* offset to strings */
fdt32_t off_mem_rsvmap; /* offset to memory reserve map */
fdt32_t version; /* format version */
fdt32_t last_comp_version; /* last compatible version */
/* version 2 fields below */
fdt32_t boot_cpuid_phys; /* Which physical CPU id we're
     booting on */
/* version 3 fields below */
fdt32_t size_dt_strings; /* size of the strings block */
/* version 17 fields below */
fdt32_t size_dt_struct; /* size of the structure block */
struct fdt_reserve_entry {
fdt64_t address;
fdt64_t size;
};
struct fdt_node_header {
fdt32_t tag;
char name[];
};
struct fdt_property {
fdt32_t tag;
fdt32_t len;
fdt32_t nameoff;
char data[];
};
#endif /* !__ASSEMBLY */
#define FDT_MAGIC 0xd00dfeed /* 4: version, 4: total size */
```

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# POSSIBILITY OF SUCH DAMAGE.
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 fdt.c \
 fdt addresses.c \
 fdt_empty_tree.c \
 fdt ro.c \
 fdt rw.c \
 fdt_strerror.c \
 fdt_sw.c \
 fdt_wip.c) \
INCLUDES += -linclude/lib/libfdt
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#include "libfdt_env.h"
#include <fdt.h>
#include <libfdt.h>
#include "libfdt_internal.h"
int fdt_check_header(const void *fdt)
```

/\* Complete tree \*/

 $if (fdt\_magic(fdt) == FDT\_MAGIC) \{$ 

```
if (fdt_version(fdt) < FDT_FIRST_SUPPORTED_VERSION)
 return -FDT_ERR_BADVERSION;
 if (fdt_last_comp_version(fdt) > FDT_LAST_SUPPORTED_VERSION)
 return -FDT_ERR_BADVERSION;
} else if (fdt_magic(fdt) == FDT_SW_MAGIC) {
 /* Unfinished sequential-write blob */
 if (fdt_size_dt_struct(fdt) == 0)
 return -FDT_ERR_BADSTATE;
} else {
 return -FDT_ERR_BADMAGIC;
return 0;
}
const void *fdt_offset_ptr(const void *fdt, int offset, unsigned int len)
const char *p;
if (fdt\_version(fdt) >= 0x11)
 if(((offset + len) < offset)
   || ((offset + len) > fdt_size_dt_struct(fdt)))|
 return NULL;
p = _fdt_offset_ptr(fdt, offset);
if (p + len < p)
 return NULL;
return p;
uint32_t fdt_next_tag(const void *fdt, int startoffset, int *nextoffset)
const fdt32_t *tagp, *lenp;
uint32_t tag;
int offset = startoffset;
const char *p;
*nextoffset = -FDT_ERR_TRUNCATED;
tagp = fdt_offset_ptr(fdt, offset, FDT_TAGSIZE);
if (!tagp)
 return FDT_END; /* premature end */
tag = fdt32_to_cpu(*tagp);
offset += FDT_TAGSIZE;
*nextoffset = -FDT_ERR_BADSTRUCTURE;
switch (tag) {
case FDT_BEGIN_NODE:
```

```
/* skip name */
 do {
 p = fdt_offset_ptr(fdt, offset++, 1);
 } while (p && (*p != '\0'));
 if (!p)
 return FDT_END; /* premature end */
 break;
case FDT_PROP:
 lenp = fdt_offset_ptr(fdt, offset, sizeof(*lenp));
 if (!lenp)
 return FDT_END; /* premature end */
 /* skip-name offset, length and value */
 offset += sizeof(struct fdt_property) - FDT_TAGSIZE
 + fdt32_to_cpu(*lenp);
 break:
case FDT END:
case FDT_END_NODE:
case FDT_NOP:
 break;
default:
 return FDT_END;
}
if (!fdt_offset_ptr(fdt, startoffset, offset - startoffset))
 return FDT_END; /* premature end */
*nextoffset = FDT_TAGALIGN(offset);
return tag;
}
int _fdt_check_node_offset(const void *fdt, int offset)
if ((offset < 0) || (offset % FDT_TAGSIZE)
   || (fdt_next_tag(fdt, offset, &offset) != FDT_BEGIN_NODE))
 return -FDT_ERR_BADOFFSET;
return offset;
}
int _fdt_check_prop_offset(const void *fdt, int offset)
{
if ((offset < 0) || (offset % FDT_TAGSIZE)
   || (fdt_next_tag(fdt, offset, &offset) != FDT_PROP))
 return -FDT_ERR_BADOFFSET;
```

```
return offset;
}
int fdt_next_node(const void *fdt, int offset, int *depth)
int nextoffset = 0;
uint32_t tag;
if (offset \geq = 0)
 if ((nextoffset = _fdt_check_node_offset(fdt, offset)) < 0)
 return nextoffset;
do {
 offset = nextoffset;
 tag = fdt_next_tag(fdt, offset, &nextoffset);
 switch (tag) {
 case FDT_PROP:
 case FDT_NOP:
 break;
 case FDT_BEGIN_NODE:
 if (depth)
  (*depth)++;
 break;
 case FDT_END_NODE:
 if (depth && ((--(*depth)) < 0))
  return nextoffset;
 break;
 case FDT_END:
 if ((nextoffset >= 0)
    \parallel ((nextoffset == -FDT_ERR_TRUNCATED) && !depth))
  return -FDT_ERR_NOTFOUND;
 else
  return nextoffset;
} while (tag != FDT_BEGIN_NODE);
return offset;
int fdt_first_subnode(const void *fdt, int offset)
int depth = 0;
offset = fdt_next_node(fdt, offset, &depth);
```

```
if (offset < 0 \parallel depth != 1)
 return -FDT_ERR_NOTFOUND;
return offset;
int fdt_next_subnode(const void *fdt, int offset)
int depth = 1;
 * With respect to the parent, the depth of the next subnode will be
 * the same as the last.
 */
do {
 offset = fdt_next_node(fdt, offset, &depth);
 if (offset < 0 \parallel depth < 1)
 return -FDT_ERR_NOTFOUND;
} while (depth > 1);
return offset;
}
const char *_fdt_find_string(const char *strtab, int tabsize, const char *s)
int len = strlen(s) + 1;
const char *last = strtab + tabsize - len;
const char *p;
for (p = strtab; p \le last; p++)
 if (memcmp(p, s, len) == 0)
 return p;
return NULL;
}
int fdt_move(const void *fdt, void *buf, int bufsize)
FDT_CHECK_HEADER(fdt);
if (fdt_totalsize(fdt) > bufsize)
 return -FDT_ERR_NOSPACE;
memmove(buf, fdt, fdt_totalsize(fdt));
return 0;
```

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