

/ L QX[. HU@O 'ULYHUV
4 8 , & & (QJLQH

Support **UQJ' RFXP HQMPO**

1 \$

4 8 , & & (QJLQH 8 & & 8 \$ 5 7 8 VHU0 DQXDO

' HMFUSMPQ

4 (8 & & F D Q UXQ 8 \$ 5 7 SURWR FRO 3 5' % V XSRUWV WZR 56

' HSHGGHQLHV

+ D UGZ DUH) UHHVF DO H 3	5' % 3\$ ERDUG DQG 3	(
6 RI WZ DUH	/ L QX[8 ERRW Y	GHY

8 ERRW RQIJXUDMPQ

& FP SLOMP HFSMPQV

%H ORZ DUH PDMRU X E FR W FRQI LJXUDWLRQ RSWLRQV UHODWHG WR WKLV IHDWXU
L QF OXGH FRQI LJV GLUHFWRU\

2 SMPQ, GQMHU	' HMFUSMPQ
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& KRRVL QJ SUHGH I LQHG X ERRW PRGHV

P DN H 3 5' % BFRQILJ

EHIRUH GRLQJ WKH DFWXDOO\ EXLOG

5 XQMP HFSMPQV

(QY9DUDEGH	(QY' HMFUSMPQ	6XE RSWMPQ	2 SMPQ' HMFUSMPQ
K Z FRQILJ + D UGZ DUH	FRQILJ XUDWLRQ	IRUHX ERRW DQEOH	WKH 4 (QRGH LQ
ERRW UJV. HUQH O	FRPPD QG OLCH	DWXP HQW	SDVVHG WR NHUQHO

. HGHQ & RQIJXUH 2 SMPQV

7UHH9LHZ

%H ORZ DUH WKH FRQILJXUH RSWLRQV QHHG WR EH VHWXQVHW ZKLOH GRL

. HGHQ & RQIJXUH 7UHH9LHZ 2 SMPQV	' HMFUSMPQ
Device Drivers ----> Character devices ----> Serial drivers ----> <*> Freescale QUICC Engine serial port support	8 & & 8 \$ 5 7 GULYHU

4 FLJ 6' . ' RFXP HQMPO 5HY \$ ' HF

\$ SSURYHG) UHHVF DOH 6HPLFRQGXFWRU
* HQHUDO %XVLQHV , QIRUPDWLRQ

IdentVWU

%H ORZ DU H WKH FRQI LJ XUH LGHQWLI LHUV Z KL FK DUH XVHG LQ NHUQHO V

2 SVPQ	9 DQHV	' HDX00 DQH	' HMFUSVPQ
& 21) , * B q5, \$/B4(\ P Q	Q	8 && 8 \$57 ' ULYHU

' HMFH7UH%QJQJ

%H ORZ L V WK H GHI LQLWLRQ RI WK H GHYLFH WUHH QRGH UHTXLUHG E\ WKI

3 UPSUW	7\SH	6 VDWV	' HMFUSVPQ
TH	TH	H QIE OH	4X L F F (QJLQH
XFF	VHULD O	H QIE OH	8 F F 8 DUW

%H ORZ L V DQ H[DPS OH GHYLFH WUHH QRGHUHTXLUHG E\ WKLV I HDWXUH

```
serial2: ucc@2600 {  
    device_type = "serial";  
    compatible = "ucc_uart";  
    status = "disabled";  
    reg = <0x2600 0x200>;  
    cell-index = <7>;  
    port-number = <0>;  
    rx-clock-name = "brg6";  
    tx-clock-name = "brg6";  
    interrupts = <42>;  
    interrupt-parent = <&qeic>;  
    pio-handle = <&pio3>;  
};
```

6 FXUH) QV

7 KH I R OO RZLQJ VRXU FH I LOH DUH UHODWHG WKH WKLV IHDWXUH LQ X ER

6 FXUH) QI	' HMFUSVPQ
GLYHUH V HULD O XFFBXDUW F	8 && 8 \$57 GLYHU ILOH

7 KH I R OO RZLQJ VRXU FH I LOH DUH UHODWHG WKH WKLV IHDWXUH LQ /LQX[

/LQX[. HU@O 'ULYHUV
48 , &&(QJLQH

Source(H) QI	' HMFUSMRQ

8 VHU6 SDFH \$ SSQDFMRQ

7 KH I ROO FZ LQJ DSSOLFDFWLRQV ZLOO EH XVHG GXULQJ IXQFWLRQDO RU SHU
GRFXPHQW IRU WKH GHWDLOHG EXLOG SURFHGXUH

&FP PDQG1DPH	' HMFUSMRQ	3DFNDJH1DPH

9 HULLDFMRQIQ8 EFRW

1 \$

9 HULLDFMRQIQ/ LQX

\$IWHU XERRW WDU WXS VHW TH SDUDPHWHU LQ KZFRQILJ
\$IWHU ERRWXS NHUQHO FUHDWH WKH GHYLFH QRGH PDQXDOO\

```
QE serial port1: mknod /dev/ttyQE0 c 204 46
QE serial port2: mknod /dev/ttyQE1 c 204 47
```

7\SH WKH FRPPDQG JHWW\ GHYWW\4(
&RQHFWRQHFRQR OHFDEOH 56 WR 56 WR 3& 20 DQG RSH

```
Set the terminal baud rate to 115200.
```

<RXFDQ WSH DQ\ VKHOOFPPDQGLQ8&&8\$577(50,1\$/

%HCFKPDUNQJ

1 \$

.CFZQ%XJV/IP LQMRQ/ RU7HFKQFDQWXHV

1 \$

6XSSRUQJ' FFXPHQDMRQ

1 \$

48, && (QJLQH7IP H' LVMRQ0 XQSD[LQJ 8 VHU0 DQXDO

/LQX 6' . IRU4RU4 3URFHWRU

' HMFUSMRQ

7KH 7LPH 'LYLVLRQ 0XOWLSOH[LQJ 7'0 QJLYHU LV LPSOHPHQWHG E
LQWUDQSDUHQW SURWRFRORFRQQHFWHG ZLWK STPGVW FDGWRVXSSR
ORRSEDFNPRG ERWKIRUWGPFRQWUROOHU DQGSK\

4RU4 6' . ' FFXPHQDMRQ 5HY \$ ' HF

\$SSURYHG) UHHVFDOH 6HPLFRQGXFWRU
* HQHUDO %XVLQHV , QIRUPDWLRQ