

```
ftp password (pw)      : obi_supervisor
flags (f)              : 0x0
```

```
Attaching interface lo0... done
Failed to attach to device (null)0Can't load boot file!!
```

```
[VxWorks Boot]:
[VxWorks Boot]:
[VxWorks Boot]:
[VxWorks Boot]:
[VxWorks Boot]:
```

```
Press any key to stop auto-boot...
0
auto-booting...
```

```
boot device           : dc
unit number           : 0
processor number       : 0
host name              : host
file name              : vxWorks
inet on ethernet (e)  : 172.20.20.65
host inet (h)          : 172.20.20.64
user (u)               : obi_supervisor
ftp password (pw)      : obi_supervisor
flags (f)              : 0x0
```

```
Attaching interface lo0... done
Failed to attach to device (null)0Can't load boot file!!
```

```
[VxWorks Boot]:
```

VxWorks System Boot

Copyright 1984-2005 Wind River Systems, Inc.

CPU: Motorola MVME3100-1152 - MPC8540  
Version: VxWorks 6.2  
BSP version: 2.0/1  
Boot Loader version: 1.1.05  
Creation date: Nov 20 2009, 09:06:31  
Physical Memory: 0x10000000

Press any key to stop auto-boot...  
0  
auto-booting...

boot device : dc  
unit number : 0  
processor number : 0  
host name : host  
file name : vxWorks  
inet on ethernet (e) : 172.20.20.65  
host inet (h) : 172.20.20.64  
user (u) : obi\_supervisor  
ftp password (pw) : obi\_supervisor  
flags (f) : 0x0

Attaching interface lo0... done  
Failed to attach to device (null)0Can't load boot file!!

[VxWorks Boot]:

VxWorks System Boot

Copyright 1984-2005 Wind River Systems, Inc.

CPU: Motorola MVME3100-1152 - MPC8540  
Version: VxWorks 6.2  
BSP version: 2.0/1  
Boot Loader version: 1.1.05  
Creation date: Nov 20 2009, 09:06:31  
Physical Memory: 0x10000000

Press any key to stop auto-boot...  
0  
auto-booting...

boot device : mottsec  
unit number : 0  
processor number : 0  
host name : host  
file name : MV3100vxWorks  
inet on ethernet (e) : 172.20.20.65:ffffff00  
host inet (h) : 172.20.20.64  
user (u) : obi\_supervisor  
ftp password (pw) : obi\_supervisor  
flags (f) : 0x0

Attaching interface lo0... done  
Attached IPv4 interface to mottsec unit 0  
Loading... 6592528  
Starting at 0x100000...

Attaching interface lo0... done  
Attached IPv4 interface to mottsec unit 0

Adding 22486 symbols for standalone.

VxWorks

Copyright 1984-2005 Wind River Systems, Inc.

CPU: Motorola MVME3100-1152 - MPC8540  
Runtime Name: VxWorks  
Runtime Version: 6.2  
BSP version: 2.0/1  
Created: Jun 1 2011, 14:26:29  
ED&R Policy Mode: Deployed  
WDB Comm Type: WDB\_COMM\_END

WDB: Ready.

Starting OBI Supervisor application ...

```
*****
*   Varian Medical Systems Imaging Laboratory GmbH
*   5400 Baden, Switzerland
*   All rights reserved, 2003 - 2007
*   OBI Supervisor Release 1.5.19
*   - Fault line tests on
*   - ARCNET MCN System
*   - Heartbeat sent via hardware
*****
```

```
UserInterface::StartupController::run
Domain::StartupController::run
Infrastructure::StartupController::run
System::StartupController::run
TPMC920::StartupController::run
```

tpmc920Drv() called:

```
  Searching for 1498h/0398h/1498h/000Ah
    Found at 1/0/0
      Address: A0100080h --- Level: 4 --- Vector: 4
```

Devices found:

```
  #(0/0) DCB: 0FF01A90h --- A:A0100080h --- L:4 --- V:4
  #(1/1) DCB: 0FF01DA0h --- A:A0100088h --- L:4 --- V:4
  #(2/2) DCB: 0FF020B0h --- A:A0100090h --- L:4 --- V:4
  #(3/3) DCB: 0FF023C0h --- A:A0100098h --- L:4 --- V:4
  #(4/4) DCB: 0FF026D0h --- A:A01000A0h --- L:4 --- V:4
  #(5/5) DCB: 0FF029E0h --- A:A01000A8h --- L:4 --- V:4
  #(6/6) DCB: 0FF02CF0h --- A:A01000B0h --- L:4 --- V:4
  #(7/7) DCB: 0FF03000h --- A:A01000B8h --- L:4 --- V:4
```

TPMC920 serial driver successfully installed

vbgaDrv() called:

```
Found TPMC920 at 1/0/0
FPGA Base Addr.: 0xa0100200, Level: 4, Vector: 4, Int. Status
Reg.: 0xa0100400
```

TPMC920 FPGA driver successfully installed

TPMC815::StartupController::run

TPMC815 Arcnet driver successfully installed

Creating Serial Devices

tpmc920Drv() called:

```
TPMC920 driver successfully installed
Creating device /serDev/0
```

tpmc920DevCreate() called:

```
  Device found (DCB:0FF01A90h)
Opening device /serDev/0
Adding device /serDev/0 with key /serDev/0
Creating device /serDev/1
```

```
tpmc920DevCreate() called:
  Device found (DCB:0FF01DA0h)
Opening device /serDev/1
Adding device /serDev/1 with key /serDev/1
Creating device /serDev/2

tpmc920DevCreate() called:
  Device found (DCB:0FF020B0h)
Opening device /serDev/2
Adding device /serDev/2 with key /serDev/2
Creating device /serDev/3

tpmc920DevCreate() called:
  Device found (DCB:0FF023C0h)
Opening device /serDev/3
Adding device /serDev/3 with key /serDev/3
Creating device /serDev/4

tpmc920DevCreate() called:
  Device found (DCB:0FF026D0h)
Opening device /serDev/4
Adding device /serDev/4 with key /serDev/4
Creating device /serDev/5

tpmc920DevCreate() called:
  Device found (DCB:0FF029E0h)
Opening device /serDev/5
Adding device /serDev/5 with key /serDev/5
Creating device /serDev/6

tpmc920DevCreate() called:
  Device found (DCB:0FF02CF0h)
Opening device /serDev/6
Adding device /serDev/6 with key /serDev/6
Creating device /serDev/7

tpmc920DevCreate() called:
  Device found (DCB:0FF03000h)
Opening device /serDev/7
Adding device /serDev/7 with key /serDev/7
Creating Arcnet Devices
TP815 Address: A1004100h --- Level: 6 --- Vector: 6
TPMC815 driver successfully installed
Creating device /arcDev/0

VxWorks login: Opening device /arcDev/0
Setting device /arcDev/0 online
Adding device /arcDev/0 with key /arcDev/0
Creating Digital I/O Devices
vbgaDrv() called:
TPMC920 FPGA driver successfully installed
Creating device /wd
```

```

vbgaDevCreate() called:
Devicename: /wd Base Address: 0xa0100200      Vector: 4
Level: 4
Port Id: 0 Port Type: Port Out
Signal: Name:          Status:      Bit Mask:  Int Enbl:
Int Stat:
00      FPGA_VERSION      0xa01003fe  0x0000    0x00000000
0x00000000
Port Id: 1 Port Type: Line Out
Signal: Name:          Status:      Bit Mask:  Int Enbl:
Int Stat:
00      WD_RESTART        0xa0100210  0x0040    0x00000000
0x00000000
Opening device /wd
Adding device /wd with key /wd
Creating device /hbgen
vbgaDevCreate() called:
Devicename: /hbgen      Base Address: 0xa0100200      Vector: 4
Level: 4

Port Id: 0 Port Type: Line In
Signal: Name:          Status:      Bit Mask:  Int Enbl:
Int Stat:
00      HEART_B           0xa0100202  0x8000    0xa0100222
0xa0100232
Port Id: 1 Port Type: Line Out
Signal: Name:          Status:      Bit Mask:  Int Enbl:
Int Stat:
00      HEARTBEAT_EN      0xa0100210  0x0020    0x00000000
0x00000000
Opening device /hbgen
Adding device /hbgen with key /hbgen
Creating device /isr0
vbgaDevCreate() called:
Devicename: /isr0      Base Address: 0xa0100200      Vector: 4
Level: 4

Port Id: 0 Port Type: Line In
Signal: Name:          Status:      Bit Mask:  Int Enbl:
Int Stat:
00      DOOR_ITLK         0xa0100200  0x0001    0xa0100220
0xa0100230
01      CTRL_AREA         0xa0100200  0x0002    0xa0100220
0xa0100230
02      XRAY_ON_2         0xa0100200  0x0004    0xa0100220
0xa0100230
03      XRAY_PWR_ON       0xa0100200  0x0008    0xa0100220
0xa0100230
04      FLUORO           0xa0100200  0x0010    0xa0100220
0xa0100230
05      XRAY              0xa0100200  0x0020    0xa0100220
0xa0100230

```

06	PREP	0xa0100200	0x0040	0xa0100220
	0xa0100230			
07	TOUCH_G	0xa0100200	0x0080	0xa0100220
	0xa0100230			
08	GTY_ENAB	0xa0100200	0x0100	0xa0100220
	0xa0100230			
09	CT_ENAB_IN	0xa0100200	0x0200	0xa0100220
	0xa0100230			
10	COLL_OVRD	0xa0100200	0x0400	0xa0100220
	0xa0100230			
11	P_5V_PWR_GOOD	0xa0100200	0x0800	0xa0100220
	0xa0100230			
12	P_12V_PWR_GOOD	0xa0100200	0x1000	0xa0100220
	0xa0100230			
13	M_12V_PWR_GOOD	0xa0100200	0x2000	0xa0100220
	0xa0100230			
14	SPARE_I1	0xa0100200	0x4000	0xa0100220
	0xa0100230			
15	OBI_OUT	0xa0100200	0x8000	0xa0100220
	0xa0100230			

Opening device /isr0  
Adding device /isr0 with key /isr0  
Creating device /isr1  
vbgaDevCreate() called:  
Devicename: /isr1            Base Address: 0xa0100200            Vector: 4  
Level: 4

Port Id: 0   Port Type: Line In				
Signal:	Name:	Status:	Bit Mask:	Int Enbl:
Int Stat:				
00	COL_L1	0xa0100202	0x0001	0xa0100222
	0xa0100232			
01	COL_L2	0xa0100202	0x0002	0xa0100222
	0xa0100232			
02	COL_L3	0xa0100202	0x0004	0xa0100222
	0xa0100232			
03	FAULT_L	0xa0100202	0x0008	0xa0100222
	0xa0100232			
04	RETR_OBI	0xa0100202	0x0010	0xa0100222
	0xa0100232			
05	RETR_PV	0xa0100202	0x0020	0xa0100222
	0xa0100232			
06	AUTOGO_OBI	0xa0100202	0x0040	0xa0100222
	0xa0100232			
07	AUTOGO_PV	0xa0100202	0x0080	0xa0100222
	0xa0100232			
08	MEB_CONS	0xa0100202	0x0100	0xa0100222
	0xa0100232			
09	MEB_PENDANT	0xa0100202	0x0200	0xa0100222
	0xa0100232			
10	MEB_CLINAC	0xa0100202	0x0400	0xa0100222
	0xa0100232			

11	GTY_ENC_I	0xa0100202	0x0800	0xa0100222
	0xa0100232			
12	TDC_GATE	0xa0100202	0x1000	0xa0100222
	0xa0100232			
13	GTY_ENC_A	0xa0100202	0x2000	0xa0100222
	0xa0100232			
14	GTY_ENC_B	0xa0100202	0x4000	0xa0100222
	0xa0100232			

Opening device /isr1  
Adding device /isr1 with key /isr1  
Creating device /isr2  
vbgaDevCreate() called:  
Devicename: /isr2            Base Address: 0xa0100200            Vector: 4  
Level: 4

Port Id: 0   Port Type: Line In

Signal:	Name:	Status:	Bit Mask:	Int Enbl:
00	CLINAC_COLL_OVRD	0xa0100204	0x0001	0xa0100224
	0xa0100234			
01	OBI_COL1	0xa0100204	0x0002	0xa0100224
	0xa0100234			
02	CLINAC_CT_STATE	0xa0100204	0x0004	0xa0100224
	0xa0100234			
03	GTY_ROT_FOR_CT	0xa0100204	0x0008	0xa0100224
	0xa0100234			
04	COL_L4	0xa0100204	0x0010	0xa0100224
	0xa0100234			

Opening device /isr2  
Adding device /isr2 with key /isr2  
Creating device /osr  
vbgaDevCreate() called:  
Devicename: /osr            Base Address: 0xa0100200            Vector: 4  
Level: 4

Port Id: 0   Port Type: Line Out

Signal:	Name:	Status:	Bit Mask:	Int Enbl:
00	XRAY_EN_NOT	0xa0100210	0x0001	0x00000000
	0x00000000			
01	BUZZER	0xa0100210	0x0002	0x00000000
	0x00000000			
02	READY_FOR_CT	0xa0100210	0x0004	0x00000000
	0x00000000			
03	OBI_STATUS0	0xa0100210	0x0008	0x00000000
	0x00000000			
04	SPARE_O2	0xa0100210	0x0010	0x00000000
	0x00000000			
05	SPARE_X1	0xa0100210	0x0020	0x00000000
	0x00000000			
06	SPARE_X2	0xa0100210	0x0040	0x00000000
	0x00000000			



```

07      IL_ARMS                0xa0100210  0x0080    0x00000000
0x00000000
08      CT_ENAB_OUT           0xa0100210  0x0100    0x00000000
0x00000000
09      SPARE_O4              0xa0100210  0x0200    0x00000000
0x00000000
10      OBI_GANTEN            0xa0100210  0x0400    0x00000000
0x00000000
Opening device /osr
Adding device /osr with key /osr
Creating device /tfr
vbgaDevCreate() called:
Devicename: /tfr          Base Address: 0xa0100200      Vector: 4
Level: 4

Port Id: 0  Port Type: Port Out
Signal: Name:              Status:      Bit Mask:  Int Enbl:
Int Stat:
00      TFR                  0xa0100240  0x0000    0x00000000
0x00000000
Opening device /tfr
Adding device /tfr with key /tfr
Creating device /tirr
vbgaDevCreate() called:
Devicename: /tirr         Base Address: 0xa0100200      Vector: 4
Level: 4

Port Id: 0  Port Type: Port Out
Signal: Name:              Status:      Bit Mask:  Int Enbl:
Int Stat:
00      TIRR                 0xa0100242  0x0000    0x00000000
0x00000000
Opening device /tirr
Adding device /tirr with key /tirr
Creating device /mgmr
vbgaDevCreate() called:
Devicename: /mgmr         Base Address: 0xa0100200      Vector: 4
Level: 4

Port Id: 0  Port Type: Line Out
Signal: Name:              Status:      Bit Mask:  Int Enbl:
Int Stat:
00      MG1_KVD              0xa0100250  0x0001    0x00000000
0x00000000
01      MG2_KVD              0xa0100250  0x0002    0x00000000
0x00000000
02      MG3_KVD              0xa0100250  0x0004    0x00000000
0x00000000
03      MG4_KVD              0xa0100250  0x0008    0x00000000
0x00000000
04      MG1_KVS              0xa0100250  0x0010    0x00000000
0x00000000

```

```

05      MG2_KVS      0xa0100250  0x0020      0x00000000
0x00000000
06      MG3_KVS      0xa0100250  0x0040      0x00000000
0x00000000
07      MG4_KVS      0xa0100250  0x0080      0x00000000
0x00000000
08      MG1_MVD      0xa0100250  0x0100      0x00000000
0x00000000
09      MG2_MVD      0xa0100250  0x0200      0x00000000
0x00000000
10      MG3_MVD      0xa0100250  0x0400      0x00000000
0x00000000
11      MG4_MVD      0xa0100250  0x0800      0x00000000
0x00000000

```

```

Opening device /mgmr
Adding device /mgmr with key /mgmr
Creating device /lsr
vbgaDevCreate() called:
Devicename: /lsr      Base Address: 0xa0100200      Vector: 4
Level: 4

```

```

Port Id: 0  Port Type: Port Out
Signal:  Name:      Status:      Bit Mask:  Int Enbl:
Int Stat:
00      LED      0xa0100260  0x0000      0x00000000
0x00000000

```

```

Opening device /lsr
Adding device /lsr with key /lsr
Creating Memory Devices
Creating NvRam
Creating Persistency
Activating tPersistency
Creating System
Creating HTTP Server
Creating Arcnet Transmitter
Activating tArcnetTx
Creating Arcnet Receiver
Activating tArcnetRx
Creating Common Pages
Creating Main Pages
SystemBuilder::initObjects - Initializing Blades Proxy
Activating tBlades
SystemBuilder::initObjects - Initializing MVD Proxy
Activating tMegaVoltDetector
SystemBuilder::initObjects - Initializing KVD Proxy
Activating tKiloVoltDetector
SystemBuilder::initObjects - Initializing KVS Proxy
Activating tKiloVoltSource
SystemBuilder::createBroadcaster - Creating Broadcaster
Activating tBroadcaster
SvStStartup::Init - Top level objects created
SvStStartup::Init - Initializing top level objects

```

```

SystemBuilder::initObjects - Initializing User LED Control
*** starting tLEDS
SystemBuilder::initObjects - Initializing Safety Box Driver
SystemBuilder::initObjects - Initializing Safety Box Service
SystemBuilder::initObjects - Initializing Watchdog
SystemBuilder::initObjects - Initializing Fault Management
SystemBuilder::initObjects - Initializing Interlock Management
Activating tIAS3
SystemBuilder::initObjects - Initializing Subsystem Registry
HtSystemBuilder::initObjects - Initializing Query Node Info
tSystemBuilder::initObjects - Initializing Comms Service
pSeSystemBuilder::initObjects - Initializing Ethernet Service WS
rver started
SystemBuilder::initObjects - Initializing Ethernet Service ST
SystemBuilder::initObjects - Initializing Ethernet WS
SystemBuilder::initObjects - Initializing Ethernet ST
SystemBuilder::initObjects - Initializing Configuration
Management
SystemBuilder::initObjects - Initializing Supervisory
SystemBuilder::initObjects - Initializing Axis Arbitration
SystemBuilder::initObjects - Initializing Motion Sequencing
SystemBuilder::initObjects - Initializing Collision Management
SystemBuilder::initObjects - Initializing Node Manager
SystemBuilder::initObjects - Initializing Image Acquisition
System Proxy
SystemBuilder::initObjects - Initializing Blade Tracking
SystemBuilder::initObjects - Initializing X Ray Buzzer
SystemBuilder::initObjects - Initializing Check Request
SystemBuilder::initObjects - Initializing Requester
SystemBuilder::initObjects - Initializing Position Order Handler
SystemBuilder::initObjects - Initializing CBCT
SystemBuilder::initObjects - Initializing Serial Com Manager
SystemBuilder::initObjects - Initializing Pendant
SystemBuilder::initObjects - Initializing Console
SystemBuilder::initObjects - Initializing Clinac
SystemBuilder::initObjects - Initializing Position Store
SystemBuilder::initObjects - Initializing Monolith Web Server
SvStStartup::Init - Starting initial tasks
*** starting tSysLogWrite - initial state is '1'
Connection to SysLog (172.20.20.64) opened
*** starting tEtReadWS
*** starting tEtWriteWS
*** starting tEtReadST
*** starting tEtWriteST
*** starting tSafetyService
*** starting tStartup
*** starting tInterlockManagement
*** starting tFaultManagement
*** starting tRequester
*** starting tPendant
*** starting tClinac
*** starting tConsole

```

```

SvStStartup::buildNetworkMap() - IO Map / found subSys; eBladeMCN
SvStStartup::buildNetworkMap() - IO Map / found subSys;
eKVSourceArmMCN
SvStStartup::buildNetworkMap() - IO Map / found subSys;
eKVDetectorArmMCN
SvStStartup::buildNetworkMap() - IO Map / found subSys;
eMVDetectorArmMCN
SvStStartup::buildNetworkMap() - IO Map / found subSys;
eSupervisor
SvStStartup::InitiateTestSequence - initial state of faultline =
0
SvStStartup::StartFaultLineTests start test on first node
SvStStartup::SetState transit from eWaitInitObjects To
eWaitFaultLineAsserted
SvSSvStStartup::InitiateFaultLineAssert - requesting fault line
pull from node (
tStar88tup::NotifyCollisi)
onLineState - col Faultline Assert test - lision line 88
200 has changed state to 0
SvStStartup::NotifyCollisionLineState - called in wrong state 4
(MCN=88)
SvStStartup::NotifyCollisionLineState - collision line 196 has
changed state to
0
SvStStartup::NotifyCollisionLineState - called in wrong state 4
(MCN=88)
SvStStartup::NotifyCollisionLineState - collision line 198 has
changed state to
0
SvStStartup::NotifyCollisionLineState - called in wrong state 4
(MCN=88)
SvStStartup::NotifyFaultLineState 0
SvStStartup::NotifyFaultLineState Fault line deasserted
unexpectedly in state eW
aitFaultLineAsserted
SvStStartup::OnTimeout() in state eWaitFaultLineAsserted - init
Run state to rep
ort fault
SvStStartup::Run
SvStStartup::SetState transit from eWaitFaultLineAsserted To eRun
SvStStartup::Run - Start Remaining Tasks
*** starting tReportPositions
*** starting tBladeTrackingControl
*** starting tExcBladeTracking
*** starting tSubsystemRegistry
*** starting tSupervisory
*** starting tAxisArbitration
*** starting tMotionSequencing
*** starting tXRayBuzzer
SvStStartup::Run - Safetybox
/hbgen: creating read semaphore
/hbgen: connecting interrupt

```

```
/hbgen: enabling interrupt  
/hbgen - HEART_B      : enabling interrupt  
SvStStartup::Run - Comms Service  
+++ tStartup completed
```