

## 00437\_M481\_Vogel - Podpora #1020

### CF kartica po bootu ni več vidna

2017-02-02 11:31 - Jernej Perdan

<b>Status:</b>	Zaključen	<b>Začetek:</b>	2017-02-02
<b>Prioriteta:</b>	Takojšnje ukrepanje	<b>Do datuma:</b>	
<b>Dodeljen:</b>	Nikola Kostić	<b>% Narejeno:</b>	100%
<b>Kategorija:</b>		<b>Ocenjen čas:</b>	0.00 ura
<b>Ciljna verzija:</b>		<b>Revizija IPKG:</b>	-
<b>Revizija:</b>			
<b>Opis</b>			
CF kartica po bootu ni več vidna - sistem jo ne zazna.			
<b>Povezani zahtevki:</b>			
povezan z 3000_amws_xober_op_location - Podpora # 1019: Posodobitev sgr3d na ...			<b>Rešen</b> <b>2017-02-02</b> <b>2017-02-07</b>

### Zgodovina

#### #1 - 2017-02-02 11:47 - Jernej Perdan

manjka /dev/sda1 on /var/sda

```
root@Moxa:~# mount
rootfs on / type rootfs (rw)
/dev/root on / type jffs2 (ro)
proc on /proc type proc (rw)
/dev/ram15 on /dev type ext2 (rw)
/dev/ram0 on /var type ext2 (rw)
/dev/mtdblock4 on /tmp type jffs2 (rw)
/dev/mtdblock4 on /home type jffs2 (rw)
/dev/mtdblock4 on /etc type jffs2 (rw)
tmpfs on /dev/shm type tmpfs (rw)
devpts on /dev/pts type devpts (rw)
```

```
root@Moxa:~# dmesg
Linux version 2.6.23.1 (root@Victor-virtual-debian-6) (gcc version 4.4.2 (GCC) ) #1036 Wed Mar 21 11:00:38 CST 2012
CPU: XScale-IXP43x Family [69054041] revision 1 (ARMv5TE), cr=000039ff
Machine: Intel KIXRP435 Reference Platform
Memory policy: ECC disabled, Data cache writeback
On node 0 totalpages: 65536
  DMA zone: 128 pages used for memmap
  DMA zone: 0 pages reserved
  DMA zone: 16256 pages, LIFO batch:3
  Normal zone: 384 pages used for memmap
  Normal zone: 48768 pages, LIFO batch:15
  Movable zone: 0 pages used for memmap
CPU0: D VIVT undefined 5 cache
CPU0: I cache: 32768 bytes, associativity 32, 32 byte lines, 32 sets
CPU0: D cache: 32768 bytes, associativity 32, 32 byte lines, 32 sets
Built 1 zonelists in Zone order. Total pages: 65024
Kernel command line: console=ttyS0,115200 root=/dev/mtdblock2 rootfstype=jffs2 ro
```

PID hash table entries: 1024 (order: 10, 4096 bytes)  
Dentry cache hash table entries: 32768 (order: 5, 131072 bytes)  
Inode-cache hash table entries: 16384 (order: 4, 65536 bytes)  
Memory: 256MB = 256MB total  
Memory: 256432KB available (2984K code, 238K data, 88K init)  
SLUB: Genslabs=22, HWalign=16, Order=0-1, MinObjects=4, CPUs=1, Nodes=1  
Calibrating delay loop... 532.48 BogoMIPS (lpj=2662400)  
Mount-cache hash table entries: 512  
CPU: Testing write buffer coherency: ok  
NET: Registered protocol family 16  
IXP4xx: Using 16MiB expansion bus window size  
PCI: IXP4xx is host  
PCI: IXP4xx Using direct access for memory space  
PCI: bus0: Fast back to back transfers disabled  
dmabounce: registered device 0000:00:07.0 on pci bus  
dmabounce: registered device 0000:00:08.0 on pci bus  
NET: Registered protocol family 2  
Time: OSTS clocksource has been installed.  
IP route cache hash table entries: 2048 (order: 1, 8192 bytes)  
TCP established hash table entries: 8192 (order: 4, 65536 bytes)  
TCP bind hash table entries: 8192 (order: 3, 32768 bytes)  
TCP: Hash tables configured (established 8192 bind 8192)  
TCP reno registered  
NetWinder Floating Point Emulator V0.97 (extended precision)  
NTFS driver 2.1.28 [Flags: R/W].  
JFFS2 version 2.2. (NAND) © 2001-2006 Red Hat, Inc.  
io scheduler noop registered  
io scheduler anticipatory registered  
io scheduler deadline registered  
io scheduler cfq registered (default)  
fb0: Virtual frame buffer device, using 4096K of video memory  
Register Moxa UC8400 RTC Driver v1.0  
Register Moxa misc ver1.2  
OK.  
Register Moxa SRAM driver v.1.0  
initialized. (nowayout=0)  
initialized. (debug=0)  
Serial: 8250/16550 driver \$Revision: 1.90 \$ 4 ports, IRQ sharing enabled  
serial8250.0: ttyS0 at MMIO 0xc8000000 (irq = 15) is a XScale  
console [ttyS0] enabled  
RAMDISK driver initialized: 16 RAM disks of 32000K size 1024 blocksize  
loop: module loaded  
PPP generic driver version 2.4.2  
PPP Deflate Compression module registered  
PPP BSD Compression module registered  
NET: Registered protocol family 24  
IXP4XX-Flash.0: Found 1 x16 devices at 0x0 in 16-bit bank  
Intel/Sharp Extended Query Table at 0x0031  
Using buffer write method  
cfi\_cmdset\_0001: Erase suspend on write enabled  
erase region 0: offset=0x0,size=0x20000,blocks=128  
Creating 4 MTD partitions on "IXP4XX-Flash.0":  
0x00000000-0x000a0000 : "BootLoader"

0x000a0000-0x00280000 : "Kernel"  
0x00280000-0x00fe0000 : "RootDisk"  
0x00fe0000-0x01000000 : "Redboot FIS"  
NAND device: Manufacturer ID: 0x20, Chip ID: 0x75 (ST Micro NAND 32MiB 3,3V 8-bit)  
Scanning device for bad blocks  
cmdlinepart partition parsing not available  
Creating 1 MTD partitions on "NAND 32MiB 3,3V 8-bit":  
0x00000000-0x02000000 : "UserDisk"  
IPv4 over IPv4 tunneling driver  
GRE over IPv4 tunneling driver  
TCP cubic registered  
NET: Registered protocol family 1  
NET: Registered protocol family 10  
lo: Disabled Privacy Extensions  
tunl0: Disabled Privacy Extensions  
Mobile IPv6  
IPv6 over IPv4 tunneling driver  
sit0: Disabled Privacy Extensions  
NET: Registered protocol family 17  
XScale DSP coprocessor detected.  
VFS: Mounted root (jffs2 filesystem) readonly.  
Freeing init memory: 88K  
ixp400: Module init.  
ixp400\_eth: Initializing IXP400 NPE Ethernet driver software v. 1.8  
ixp400\_eth: CPU clock speed (approx) = 532 MHz  
ixp400\_eth: Found PHY 0 at address 2  
ixp400\_eth: Found PHY 1 at address 16  
ixp400\_eth: eth1 is using NPEC and the PHY at address 2  
ixp400\_eth: eth2 is using NPEA and the PHY at address 16  
ixp400\_eth: Use default MAC address 00:90:e8:5b:aa:bf for port 1  
ixp400\_eth: Use default MAC address 00:90:e8:5b:aa:be for port 2  
8139too Fast Ethernet driver 0.9.28  
eth2: RealTek RTL8139 at 0x1000, 00:90:e8:5b:aa:c0, IRQ 19  
eth2: Identified 8139 chip type 'RTL-8100B/8139D'  
mxser\_uc8400: module license 'unspecified' taints kernel.  
MOXA MU860/MU150 UART Device Driver version 2.2  
Tty devices major number = 30  
Found MOXA MU860 UART board(BusNo=0,DevNo=8)  
Moxa Software ID driver v1.0  
Register IO misc ver1.0 <1>4 DI/DO are Probed  
OK.  
usbcore: registered new interface driver usbfs  
usbcore: registered new interface driver hub  
usbcore: registered new device driver usb  
ixp4xx-ehci-p0 ixp4xx-ehci-p0: IXP4XX EHCI Host Controller  
ixp4xx-ehci-p0 ixp4xx-ehci-p0: new USB bus registered, assigned bus number 1  
ixp4xx-ehci-p0 ixp4xx-ehci-p0: irq 32, io mem 0xcd000000  
ixp4xx-ehci-p0 ixp4xx-ehci-p0: USB 0.0 started, EHCI 1.00, driver 10 Dec 2004  
usb usb1: configuration #1 chosen from 1 choice  
hub 1-0:1.0: USB hub found  
hub 1-0:1.0: 1 port detected  
ixp4xx-ehci-p1 ixp4xx-ehci-p1: IXP4XX EHCI Host Controller  
ixp4xx-ehci-p1 ixp4xx-ehci-p1: new USB bus registered, assigned bus number 2

```
ixp4xx-ehci-p1 ixp4xx-ehci-p1: irq 33, io mem 0xce000000
ixp4xx-ehci-p1 ixp4xx-ehci-p1: USB 0.0 started, EHCI 1.00, driver 10 Dec 2004
usb usb2: configuration #1 chosen from 1 choice
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 1 port detected
USB Universal Host Controller Interface driver v3.0
SCSI subsystem initialized
Initializing USB Mass Storage driver...
usb 2-1: new high speed USB device using ixp4xx-ehci-p1 and address 2
usb 2-1: configuration #1 chosen from 1 choice
hub 2-1:1.0: USB hub found
hub 2-1:1.0: 4 ports detected
usbcore: registered new interface driver usb-storage
USB Mass Storage support registered.
eth2: link down
ADDRCONF(NETDEV_UP): eth2: link is not ready
eth0: no IPv6 routers present
eth1: no IPv6 routers present
```

```
root@Moxa:~# fsck /dev/sda1
fsck (busybox 1.15.3, 2011-10-28 11:30:21 CST)
fsck: fsck.auto: No such file or directory
root@Moxa:~#
root@Moxa:~# e2fsck /dev/sda1
e2fsck 1.25 (20-Sep-2001)
e2fsck: No such device or address while trying to open /dev/sda1
Possibly non-existent or swap device?
root@Moxa:~#
```

## **#2 - 2017-02-02 11:49 - Jernej Perdan**

```
root@Moxa:~# mount /dev/sda1 /var/sda/
mount: mounting /dev/sda1 on /var/sda/ failed: No such device or address
root@Moxa:~#
root@Moxa:~# mount -t ext2 /dev/sda1 /var/sda/
mount: mounting /dev/sda1 on /var/sda/ failed: No such device or address
root@Moxa:~#
```

## **#3 - 2017-02-02 16:44 - Andreja Kolenc**

- Dodeljen se je spremenilo iz Andreja Kolenc v Nikola Kostić

## **#4 - 2017-02-03 12:34 - Nikola Kostić**

- % Narejeno se je spremenilo iz 0 v 100

Na postaji smo 3.2.2017 zamenjali CF kartico. SW je na novo instaliran.

log trace:

root@Moxa:~# telnet localhost 60000

Entering character mode

Escape character is '^['.

Welcome to the CLI terminal. Type 'help' for help on commands.

jmd(60000)>get ta

03/02/2017 12:33:04.0 cpu\_0:60001:wmt702d

P3180	ch00@cpu_0:60001	<a href="#">016@0100.12.00.02.003</a>	0x0000	-99.99	n	0x0001	wind_processed
I3001	ch01@cpu_0:60001	<a href="#">016@0100.12.01.02.003</a>	0x0000	186	deg	0x0001	wind_direction_3s_avg
I3002	ch02@cpu_0:60001	<a href="#">016@0100.12.02.02.003</a>	0x0000	6.59	m/s	0x0001	wind_speed_3s_avg
I3003	ch03@cpu_0:60001	<a href="#">016@0100.12.03.02.003</a>	0x0000	6.55	m/s	0x0001	wind_speed_avg_x
I3004	ch04@cpu_0:60001	<a href="#">016@0100.12.04.02.003</a>	0x0000	0.65	m/s	0x0001	wind_speed_avg_y
I3005	ch05@cpu_0:60001	<a href="#">016@0100.12.05.02.003</a>	0x0000	5.96	m/s	0x0001	wind_speed_min
I3006	ch06@cpu_0:60001	<a href="#">016@0100.12.06.02.003</a>	0x0000	7.41	m/s	0x0001	wind_speed_peak
I3007	ch07@cpu_0:60001	<a href="#">016@0100.12.07.02.003</a>	0x0000	7.32	m/s	0x0001	wind_speed_gust
I3008	ch08@cpu_0:60001	<a href="#">016@0100.12.08.02.003</a>	0x0000	6.53	m/s	0x0001	wind_speed_lull
I3009	ch09@cpu_0:60001	<a href="#">016@0100.12.09.02.003</a>	0x0000	191	deg	0x0001	wind_direction_max
I3010	ch10@cpu_0:60001	<a href="#">016@0100.12.10.02.003</a>	0x0000	178	deg	0x0001	wind_direction_min
I3011	ch11@cpu_0:60001	<a href="#">016@0100.12.11.02.003</a>	0x0000	184	deg	0x0001	wind_direction_at_wind_peak
I3012	ch12@cpu_0:60001	<a href="#">016@0100.12.12.02.003</a>	0x0000	1	n	0x0001	signal_quality_rg
I3013	ch13@cpu_0:60001	<a href="#">016@0100.12.13.02.003</a>	0x0000	3.2	st.C	0x0001	sonic_T_Ts
I3014	ch14@cpu_0:60001	<a href="#">016@0100.12.14.02.003</a>	0x0000	12	n	0x0001	heather_resistance_ra
I3015	ch15@cpu_0:60001	<a href="#">016@0100.12.15.02.003</a>	0x0000	54.4	st.C	0x0001	transducer_T_ta
I3016	ch16@cpu_0:60001	<a href="#">016@0100.12.16.02.003</a>	0x0000	20.3	st.C	0x0001	internal_T_ti
I3017	ch17@cpu_0:60001	<a href="#">016@0100.12.17.02.003</a>	0x0000	21.3	VDC	0x0001	heather_voltage_vh
I3018	ch18@cpu_0:60001	<a href="#">016@0100.12.18.02.003</a>	0x0000	23.3	VDC	0x0001	supply_voltage_vi
S3180	ch19@cpu_0:60001	<a href="#">016@0100.12.19.02.003</a>	0x0000	0x0001	bit		status_wmt702

03/02/2017 12:33:00.0 cpu\_0:60002:hmp155d

P3045	ch00@cpu_0:60002	<a href="#">016@0035.12.01.22.002</a>	0x0000	100	%RH	0x0002	rel_humidity
P3010	ch01@cpu_0:60002	<a href="#">016@0035.12.03.22.002</a>	0x0000	1.5	st.C	0x0002	temp_air_additional_Ta
S3045	ch06@cpu_0:60002	<a href="#">016@0035.12.08.22.002</a>	0x0000	0x0002	bit		status_u16_hmp155
P3050	ch07@cpu_0:60002	<a href="#">016@0035.12.01.22.002</a>	0x0002	100	%RH	0x0002	rel_humidity
P3011	ch08@cpu_0:60002	<a href="#">016@0035.12.03.22.002</a>	0x0000	1.4	st.C	0x0002	temp_air_additional_Ta
S3050	ch13@cpu_0:60002	<a href="#">016@0035.12.08.22.002</a>	0x0000	0x0002	bit		status_u16_hmp155

03/02/2017 12:33:00.0 cpu\_0:60004:pluvio2d

P3120	ch03@cpu_0:60004	<a href="#">016@0120.12.04.04.012</a>	0x0000	1.53	mm	0x00000000	acumulated_total_NRT
P3121	ch05@cpu_0:60004	<a href="#">016@0120.12.06.04.012</a>	0x0000	707.02	mm	0x00000000	bucket_NRT
I3045	ch06@cpu_0:60004	<a href="#">016@0120.12.07.04.012</a>	0x0000	1.7	st.C	0x00000000	temperature_load_cell
I3046	ch07@cpu_0:60004	<a href="#">016@0120.12.08.04.012</a>	0x0000	2.4	st.C	0x00000000	temperature_electronics_unit
I3047	ch08@cpu_0:60004	<a href="#">016@0120.12.09.04.012</a>	0x0000	24.6	V	0x00000000	power_supply
I3048	ch09@cpu_0:60004	<a href="#">016@0120.12.10.04.012</a>	0x0000	4.7	st.C	0x00000000	temperature_orifice_ring_rim
S3120	ch10@cpu_0:60004	<a href="#">016@0120.12.11.04.012</a>	0x0000	0x0000	bit		status_heating
S3121	ch11@cpu_0:60004	<a href="#">016@0120.12.12.04.012</a>	0x0000	0x0000	bit		status_pluvio2

03/02/2017 12:33:00.0 cpu\_0:60006:lpmd

P3124	ch01@cpu_0:60006	<a href="#">016@0123.12.02.06.001</a>	0x0000	2.356	mm/h	0x0000	5min_intensity
P3125	ch02@cpu_0:60006	<a href="#">016@0123.12.03.06.001</a>	0x0000	2.04	mm	0x0000	precipitation_amount
P3126	ch03@cpu_0:60006	<a href="#">016@0123.12.04.06.001</a>	0x0000	68	code	0x0000	5min_SYNOP_tab4680
P3127	ch07@cpu_0:60006	<a href="#">016@0123.12.08.06.001</a>	0x0000	38.6	dBz	0x0000	1min_radar_reflectivity
I3066	ch10@cpu_0:60006	<a href="#">016@0123.12.11.06.001</a>	0x00a1	4000	mV	0x0000	control_voltage
I3067	ch11@cpu_0:60006	<a href="#">016@0123.12.12.06.001</a>	0x0000	0.6	st.C	0x0000	ambient_T
S3124	ch12@cpu_0:60006	<a href="#">016@0123.12.13.06.001</a>	0x0000	0x0000	bit		LPM_status

```

03/02/2017 12:33:00.0 cpu_0:60007:shm30d
P3150 ch00@cpu_0:60007 016@0126.11.01.06.001 0x0000 61.5 cm 0x0000 snow_depth
P3151 ch01@cpu_0:60007 016@0126.11.02.06.001 0x0000 4.442 - 0x0000 signal_strength
I3071 ch02@cpu_0:60007 016@0126.11.03.06.001 0x0000 5.0 st.C 0x0000 temperature
S3150 ch03@cpu_0:60007 016@0126.11.04.06.001 0x0000 0x0000 bit status_shm30
03/02/2017 12:33:00.0 cpu_0:60008:iod
P3129 ch00@cpu_0:60008 016@0120.12.01.03.001 0x0000 1 bit precipitation_duration
P3005 ch08@cpu_0:60008 016@0001.12.02.30.011 0x0000 11.5 st.C Tair_1000EO800
03/02/2017 12:33:00.0 cpu_0:60010:uc8410iod
S3001 ch00@cpu_0:60010 016@0001.12.04.30.005 0x0000 001 bit replace|buffer|ready
S3002 ch01@cpu_0:60010 016@0001.12.99.30.005 0x0000 0 bit door_status
03/02/2017 12:33:00.0 cpu_0:64004:spn1d
P3302 ch00@cpu_0:64004 016@0043.11.01.05.003 0x0000 62.8 W/m2 global_solar_radiation
P3303 ch01@cpu_0:64004 016@0043.11.02.05.003 0x0000 62.1 W/m2 diffuse_solar_radiation
P3304 ch02@cpu_0:64004 016@0043.11.08.05.003 0x0000 0 bit sunshine_duration
03/02/2017 12:33:00.0 cpu_0:64008:sgr3d
I3501 ch00@cpu_0:64008 016@0043.12.01.05.010 0x0000 0.0 W/m2 0x0000 net_radiation_Tcomp
I3502 ch01@cpu_0:64008 016@0043.12.02.05.010 0x0000 0.0 W/m2 0x0000 net_radiation
P3312 ch02@cpu_0:64008 016@0043.12.03.05.010 0x0000 322.0 W/m2 0x0000 Ld_radiation_Tcomp
I3503 ch03@cpu_0:64008 016@0043.12.04.05.010 0x0000 322.0 W/m2 0x0000 Ld_radiation
P3313 ch04@cpu_0:64008 016@0043.12.05.05.010 0x0000 1.5 st.C 0x0000 body_temperature
P3314 ch05@cpu_0:64008 016@0043.12.06.05.010 0x0000 24.6 V 0x0000 power_voltage
I3504 ch06@cpu_0:64008 016@0043.12.07.05.010 0x0000 -0.1 W/m2 0x0000 net_radiation_Tcomp_f
I3505 ch07@cpu_0:64008 016@0043.12.08.05.010 0x0000 322.9 W/m2 0x0000 Ld_radiation_Tcomp_f
I3506 ch08@cpu_0:64008 016@0043.12.09.05.010 0x0000 274.7 st.K 0x0000 body_temperature_f
I3507 ch09@cpu_0:64008 016@0043.12.10.05.010 0x0000 24.7 V 0x0000 power_voltage_f
S3312 ch10@cpu_0:64008 016@0043.12.11.05.010 0x0000 0x0000 bit sgr3_status
jmd(60000)>exit
Connection closed by foreign host
root@Moxa:~# exit
logout
Connection to 172.19.142.2 closed.

```

#### #5 - 2017-04-05 11:04 - Nikola Kostić

- Status se je spremenilo iz Nov v Zaključen