# InkBox OS system report

*Generated on Wed Mar 2 22:38:11 UTC 2022*

## General

**InkBox OS version:** `1.9`
**Version control info:**

- **GUI:** `493d217`
- **Root filesystem:** `adc85b9`
- **Kernel:** `0fc7867`

**Device:** `n437`
**Device UID:**

```
khL4U9SOlLfavEibVLhy0p7bmudmjGSO954qOxzxXLkH761eoeHNlwcI9Gt65XCV
ooziizrStYC5hqotoz3tGHE5IdlsfmShwGdR7CFyKoMqqXG3NiOTI5rZs2GQDnmY
RLhHrv8nt99pQ6m8BItYA8NvveE1jreonddq7S292pW93KAtDgHykTS9or0sDXCa
CD678TnFXxZlctEnSkwTr88HjCzYGJMoVp03sAHEOFziSiBetbDhva9IVm6wKdBs
```

**Kernel type:** `Root`
**Kernel build ID:** `KpRnpP8I`
**Kernel version:** `3.0.35-inkbox`
**Kernel build info:** `#1 PREEMPT Wed Mar 2 22:02:17 EST 2022`
**Developer key:** `Yes`
**System uptime:** `0d 0h 26m 34s`

## Filesystems

**Onboard storage:** `274M/1022M`
**Boot partition:** `1.4M/24M`
**Recovery partition:** `14M/485M`
**Root filesystem partition:** `86M/124M`
**User data partition:** `2.7G/3.0G`

## KoBox/X11

**Enabled:** `Yes`
**Running:** `Yes`

## Networking

### Wi-Fi

**Wi-Fi support:** `Yes`
**Wi-Fi enabled:** `Yes`

**Wi-Fi connected: Yes**
**SSID: SentFromMyToaster-EXT**
**IP: 192.168.1.14**

## USBNet

**USBNet enabled: Yes**
**USBNet IP: 192.168.3.2**

# Kernel

**Ring buffer:**

```
     : 93
[  982.427010]
[  982.427013] set front light level : 8
[  982.427828] Set front light duty : 82
[  982.458717]
[  982.458720] set front light level : 7
[  982.459536] Set front light duty : 71
[  982.490422]
[  982.490426] set front light level : 6
[  982.491242] Set front light duty : 62
[  982.522127]
[  982.522130] set front light level : 5
[  982.522947] Set front light duty : 49
[  982.553870]
[  982.553874] set front light level : 4
[  982.554693] Set front light duty : 41
[  982.585579]
[  982.585583] set front light level : 3
[  982.586400] Set front light duty : 30
[  982.617276]
[  982.617280] set front light level : 2
[  982.618099] Set front light duty : 24
[  982.648967]
[  982.648970] set front light level : 1
[  982.649791] Set front light duty : 18
[  982.680655] FL PWM off command
[  983.873783] [FL_off_func-1501]FL PWR off
[  983.873797] [msp430_fl_enable-66] regulator off
[  986.574160] PMU FG_RESET : calc_capacity_2 : capacity 7987 init_pswr 79 cc_delta 87
[  986.581662] PMU : set_current_time2register : second is 1646260083, hour is 457294
[  986.591022] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(47731)[mAs], cc_sum
_dec(47731)
[  986.591415] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(79), cc_delta(87)
[  986.591427] PMU:STATUS= 4: IBAT= 105: VSYS= 4034000: VBAT= 4023150: DSOC= 7987: RSOC= 7
987: cc_delta=87: rrf= 0
[ 1015.694158] PMU FG_RESET : calc_capacity_2 : capacity 7994 init_pswr 79 cc_delta 94
[ 1015.701660] PMU : set_current_time2register : second is 1646260112, hour is 457294
[ 1015.711022] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(51559)[mAs], cc_sum
_dec(51559)
[ 1015.711415] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(79), cc_delta(94)
[ 1015.711427] PMU:STATUS= 4: IBAT= 136: VSYS= 4039000: VBAT= 4027400: DSOC= 7994: RSOC= 7
994: cc_delta=94: rrf= 0
[ 1043.585851] TPS65185 temprature data = 0x1a,26
[ 1044.814150] PMU FG_RESET : calc_capacity_2 : capacity 8002 init_pswr 79 cc_delta 102
[ 1044.821653] PMU : set_current_time2register : second is 1646260141, hour is 457294
```

```
[ 1044.831014] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(55464)[mAs], cc_sum
_dec(1104)
[ 1044.832092] PMU calc_capacity_in_period Half-Clear CC, cc_sum is over 1%
[ 1044.832484] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(102)
[ 1044.832495] PMU:STATUS= 4: IBAT= 140: VSYS= 4044000: VBAT= 4026500: DSOC= 8002: RSOC= 8
002: cc_delta=102: rrf= 0
[ 1073.934160] PMU FG_RESET : calc_capacity_2 : capacity 8009 init_pswr 80 cc_delta 9
[ 1073.941663] PMU : set_current_time2register : second is 1646260170, hour is 457294
[ 1073.951028] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(5095)[mAs], cc_sum_
dec(5095)
[ 1073.951420] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(9)
[ 1073.951433] PMU:STATUS= 4: IBAT= 140: VSYS= 4045500: VBAT= 4033200: DSOC= 8009: RSOC= 8
009: cc_delta=9: rrf= 0
[ 1103.054164] PMU FG_RESET : calc_capacity_2 : capacity 8016 init_pswr 80 cc_delta 16
[ 1103.061669] PMU : set_current_time2register : second is 1646260199, hour is 457294
[ 1103.071055] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(9021)[mAs], cc_sum_
dec(9021)
[ 1103.071449] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(16)
[ 1103.071461] PMU:STATUS= 4: IBAT= 141: VSYS= 4047000: VBAT= 4030500: DSOC= 8016: RSOC= 8
016: cc_delta=16: rrf= 0
[ 1103.595845] TPS65185 temprature data = 0x1a,26
[ 1132.174163] PMU FG_RESET : calc_capacity_2 : capacity 8023 init_pswr 80 cc_delta 23
[ 1132.181667] PMU : set_current_time2register : second is 1646260228, hour is 457294
[ 1132.191031] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(12973)[mAs], cc_sum
_dec(12973)
[ 1132.191424] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(23)
[ 1132.191436] PMU:STATUS= 4: IBAT= 140: VSYS= 4044250: VBAT= 4026800: DSOC= 8023: RSOC= 8
023: cc_delta=23: rrf= 0
[ 1161.294165] PMU FG_RESET : calc_capacity_2 : capacity 8031 init_pswr 80 cc_delta 31
[ 1161.301666] PMU : set_current_time2register : second is 1646260257, hour is 457294
[ 1161.311034] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(16944)[mAs], cc_sum
_dec(16944)
[ 1161.311429] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(31)
[ 1161.311440] PMU:STATUS= 4: IBAT= 135: VSYS= 4045000: VBAT= 4034425: DSOC= 8031: RSOC= 8
031: cc_delta=31: rrf= 0
[ 1163.605846] TPS65185 temprature data = 0x1a,26
[ 1190.414161] PMU FG_RESET : calc_capacity_2 : capacity 8038 init_pswr 80 cc_delta 38
[ 1190.421667] PMU : set_current_time2register : second is 1646260287, hour is 457294
[ 1190.431032] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(20984)[mAs], cc_sum
_dec(20984)
[ 1190.431425] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(38)
[ 1190.431437] PMU:STATUS= 4: IBAT= 140: VSYS= 4049000: VBAT= 4033800: DSOC= 8038: RSOC= 8
038: cc_delta=38: rrf= 0
[ 1219.534171] PMU FG_RESET : calc_capacity_2 : capacity 8045 init_pswr 80 cc_delta 45
[ 1219.541676] PMU : set_current_time2register : second is 1646260316, hour is 457294
[ 1219.551039] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(24930)[mAs], cc_sum
_dec(24930)
[ 1219.551434] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(45)
[ 1219.551446] PMU:STATUS= 4: IBAT= 140: VSYS= 4046500: VBAT= 4031400: DSOC= 8045: RSOC= 8
045: cc_delta=45: rrf= 0
[ 1225.412217] PMU:charger_adp_isr
[ 1225.412232] PMU:charger_usb_isr
[ 1225.412245] PMU:charger_irq_work In
[ 1225.413558] charger_irq_work : val = 0 plug out
[ 1225.415373] usb unplugged
[ 1225.415379] PMU:charger_irq_work Out
[ 1225.543792] fsl_gadget_disconnect_event: udc enter low power mode
[ 1226.538014] unregistered gadget driver 'g_mass_storage'
[ 1226.675903] TPS65185 temprature data = 0x1b,27
[ 1227.807093] g_ether gadget: using random self ethernet address
[ 1227.807110] g_ether gadget: using random host ethernet address
[ 1227.814203] usb0: MAC 96:e1:aa:b8:b1:97
```

```
[ 1227.814213] usb0: HOST MAC 82:d8:2c:af:6b:ce
[ 1227.814223] g_ether gadget: controller 'fsl-usb2-udc' not recognized; trying CDC Ethern
et (ECM)
[ 1227.814255] g_ether gadget: Ethernet Gadget, version: Memorial Day 2008
[ 1227.814272] g_ether gadget: g_ether ready
[ 1227.814282] dr_controller_run: udc enter low power mode
[ 1227.814294] fsl-usb2-udc: bind to driver g_ether
[ 1248.660486] PMU: mainFlowOfLowVoltage :       Noxx : cc_delta_cap is 0, cc_delta_cap_now
 is 35, last_cc_delta_cap is 35
[ 1248.660498] PMU: mainFlowOfLowVoltage :       Noxx : temp_cc_delta_cap is 0, after temp_
cc_delta_cap_mas is 0, cc_cap_mas 19558
[ 1248.660515] PMU: mainFlowOfLowVoltage :       No9 :Cap is 8047 , low_rate is 99, dsoc is
 8045, capnow is 8140, capzero is 143, delta cc is 0, delta cc ori is 0
[ 1248.660526] PMU: mainFlowOfLowVoltage :       No10 :temp_mas is 0, offset_mas is -361, v
alue is 0, final value is 0
[ 1248.662032] PMU : set_current_time2register : second is 1646260345, hour is 457294
[ 1248.665080] PMU:STATUS= 7: IBAT= -270: VSYS= 3945000: VBAT= 3959050: DSOC= 8045: RSOC=
8045: cc_delta=45: rrf= 0
[ 1255.363778] otg udc vbus falling wakeup
[ 1255.366998] try_wake_up_udc: udc out low power mode
[ 1255.378267] PMU:charger_adp_isr
[ 1255.378278] PMU:charger_usb_isr
[ 1255.378290] PMU:charger_irq_work In
[ 1255.379606] charger_irq_work : val = 1 plug in ADPt
[ 1255.384923] PMU:charger_in_isr
[ 1255.615591] usb plugged 1-0
[ 1255.615612] PMU:charger_irq_work Out
[ 1255.615620] PMU:charger_irq_work In
[ 1255.618075] charger_irq_work : val = 1 plug in ADPt
[ 1255.620403] usb plugged 1-0
[ 1255.620421] PMU:charger_irq_work Out
[ 1255.801550] g_ether gadget: high speed config #1: CDC Ethernet (ECM)
[ 1269.007431]
[ 1269.007435] set front light level : 20
[ 1269.008253] Set front light duty : 30
[ 1269.113788] [msp430_fl_enable-66] regulator on
[ 1277.774189] PMU: mainFlowOfLowVoltage :       Noxx : cc_delta_cap is 0, cc_delta_cap_now
 is 35, last_cc_delta_cap is 35
[ 1277.774201] PMU: mainFlowOfLowVoltage :       Noxx : temp_cc_delta_cap is 0, after temp_
cc_delta_cap_mas is 0, cc_cap_mas 19167
[ 1277.780536] PMU FG_RESET : calc_capacity : capacity 80 init_pswr 80 cc_delta 35
[ 1277.792869] PMU FG_RESET : calc_capacity_2 : capacity 8035 init_pswr 80 cc_delta 35
[ 1277.800379] PMU : set_current_time2register : second is 1646260374, hour is 457294
[ 1277.809740] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(19167)[mAs], cc_sum
_dec(19167)
[ 1277.810133] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(35)
[ 1277.810145] PMU:STATUS= 4: IBAT= 69: VSYS= 4026000: VBAT= 4010950: DSOC= 8035: RSOC= 80
35: cc_delta=35: rrf= 0
[ 1310.515971] TPS65185 temprature data = 0x1b,27
[ 1317.948948] PMU FG_RESET : calc_capacity_2 : capacity 8042 init_pswr 80 cc_delta 42
[ 1317.961930] PMU : set_current_time2register : second is 1646260414, hour is 457294
[ 1317.981432] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(22984)[mAs], cc_sum
_dec(22984)
[ 1317.981871] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(42)
[ 1317.981885] PMU:STATUS= 4: IBAT= 72: VSYS= 4026000: VBAT= 4019200: DSOC= 8042: RSOC= 80
42: cc_delta=42: rrf= 0
[ 1347.056375] PMU FG_RESET : calc_capacity_2 : capacity 8047 init_pswr 80 cc_delta 47
[ 1347.064250] PMU : set_current_time2register : second is 1646260443, hour is 457294
[ 1347.074055] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(25857)[mAs], cc_sum
_dec(25857)
[ 1347.074486] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(47)
[ 1347.074500] PMU:STATUS= 4: IBAT= 110: VSYS= 4034250: VBAT= 4021600: DSOC= 8047: RSOC= 8
```

```
047: cc_delta=47: rrf= 0
[ 1371.045887] TPS65185 temprature data = 0x1b,27
[ 1376.174294] PMU FG_RESET : calc_capacity_2 : capacity 8051 init_pswr 80 cc_delta 51
[ 1376.182206] PMU : set_current_time2register : second is 1646260472, hour is 457294
[ 1376.193179] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(28094)[mAs], cc_sum
_dec(28094)
[ 1376.193577] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(51)
[ 1376.193590] PMU:STATUS= 4: IBAT= 80: VSYS= 4034000: VBAT= 4022800: DSOC= 8051: RSOC= 80
51: cc_delta=51: rrf= 0
[ 1405.294218] PMU FG_RESET : calc_capacity_2 : capacity 8056 init_pswr 80 cc_delta 56
[ 1405.301799] PMU : set_current_time2register : second is 1646260501, hour is 457294
[ 1405.311486] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(30729)[mAs], cc_sum
_dec(30729)
[ 1405.311888] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(56)
[ 1405.311901] PMU:STATUS= 4: IBAT= 102: VSYS= 4041750: VBAT= 4020375: DSOC= 8056: RSOC= 8
056: cc_delta=56: rrf= 0
[ 1434.414275] PMU FG_RESET : calc_capacity_2 : capacity 8063 init_pswr 80 cc_delta 63
[ 1434.421885] PMU : set_current_time2register : second is 1646260531, hour is 457294
[ 1434.431355] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(34290)[mAs], cc_sum
_dec(34290)
[ 1434.431753] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(63)
[ 1434.431766] PMU:STATUS= 4: IBAT= 121: VSYS= 4041750: VBAT= 4030800: DSOC= 8063: RSOC= 8
063: cc_delta=63: rrf= 0
[ 1448.776003] TPS65185 temprature data = 0x1b,27
[ 1463.534164] PMU FG_RESET : calc_capacity_2 : capacity 8069 init_pswr 80 cc_delta 69
[ 1463.541669] PMU : set_current_time2register : second is 1646260560, hour is 457294
[ 1463.551033] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(37548)[mAs], cc_sum
_dec(37548)
[ 1463.551426] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(69)
[ 1463.551439] PMU:STATUS= 4: IBAT= 105: VSYS= 4041750: VBAT= 4021600: DSOC= 8069: RSOC= 8
069: cc_delta=69: rrf= 0
[ 1492.654169] PMU FG_RESET : calc_capacity_2 : capacity 8076 init_pswr 80 cc_delta 76
[ 1492.661669] PMU : set_current_time2register : second is 1646260589, hour is 457294
[ 1492.671030] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(41348)[mAs], cc_sum
_dec(41348)
[ 1492.671423] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(76)
[ 1492.671435] PMU:STATUS= 4: IBAT= 133: VSYS= 4048000: VBAT= 4034125: DSOC= 8076: RSOC= 8
076: cc_delta=76: rrf= 0
[ 1521.774163] PMU FG_RESET : calc_capacity_2 : capacity 8083 init_pswr 80 cc_delta 83
[ 1521.781669] PMU : set_current_time2register : second is 1646260618, hour is 457294
[ 1521.791027] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(45193)[mAs], cc_sum
_dec(45193)
[ 1521.791420] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(83)
[ 1521.791432] PMU:STATUS= 4: IBAT= 133: VSYS= 4051000: VBAT= 4032600: DSOC= 8083: RSOC= 8
083: cc_delta=83: rrf= 0
[ 1531.795883] TPS65185 temprature data = 0x1b,27
[ 1547.509675]
[ 1547.509678] set front light level : 1
[ 1547.510495] Set front light duty : 18
[ 1547.542056]
[ 1547.542060] set front light level : 2
[ 1547.542877] Set front light duty : 24
[ 1547.573761]
[ 1547.573765] set front light level : 3
[ 1547.574614] Set front light duty : 30
[ 1547.605488]
[ 1547.605492] set front light level : 4
[ 1547.606308] Set front light duty : 41
[ 1547.637175]
[ 1547.637178] set front light level : 5
[ 1547.637994] Set front light duty : 49
[ 1547.668859]
```

```
[ 1547.668863] set front light level : 6
[ 1547.669678] Set front light duty : 62
[ 1547.700545]
[ 1547.700548] set front light level : 7
[ 1547.701365] Set front light duty : 71
[ 1547.732233]
[ 1547.732236] set front light level : 8
[ 1547.733052] Set front light duty : 82
[ 1547.763977]
[ 1547.763980] set front light level : 9
[ 1547.764796] Set front light duty : 93
[ 1547.795668]
[ 1547.795671] set front light level : 10
[ 1547.796488] Set front light duty : 110
[ 1547.827359]
[ 1547.827362] set front light level : 11
[ 1547.828178] Set front light duty : 132
[ 1547.859045]
[ 1547.859048] set front light level : 12
[ 1547.859865] Set front light duty : 150
[ 1547.890734]
[ 1547.890738] set front light level : 13
[ 1547.891552] Set front light duty : 170
[ 1547.922423]
[ 1547.922426] set front light level : 14
[ 1547.923244] Set front light duty : 195
[ 1547.954152]
[ 1547.954155] set front light level : 15
[ 1547.954971] Set front light duty : 216
[ 1547.985838]
[ 1547.985842] set front light level : 16
[ 1547.986659] Set front light duty : 238
[ 1548.017530]
[ 1548.017533] set front light level : 17
[ 1548.018348] Set front light duty : 252
[ 1548.049216]
[ 1548.049219] set front light level : 18
[ 1548.050031] Set front light duty : 266
[ 1548.080903]
[ 1548.080906] set front light level : 19
[ 1548.081722] Set front light duty : 280
[ 1548.112585]
[ 1548.112589] set front light level : 20
[ 1548.113406] Set front light duty : 30
[ 1550.894170] PMU FG_RESET : calc_capacity_2 : capacity 8088 init_pswr 80 cc_delta 88
[ 1550.901673] PMU : set_current_time2register : second is 1646260647, hour is 457294
[ 1550.911040] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(47994)[mAs], cc_sum
_dec(47994)
[ 1550.911434] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(88)
[ 1550.911447] PMU:STATUS= 4: IBAT= 37: VSYS= 4030500: VBAT= 4025275: DSOC= 8088: RSOC= 80
88: cc_delta=88: rrf= 0
[ 1580.014503] PMU FG_RESET : calc_capacity_2 : capacity 8093 init_pswr 80 cc_delta 93
[ 1580.022004] PMU : set_current_time2register : second is 1646260676, hour is 457294
[ 1580.031367] PMU calc_capacity_in_period 1%FACAP(54360)[mAs], cc_sum(50644)[mAs], cc_sum
_dec(50644)
[ 1580.031760] PMU: ricoh61x_displayed_work Half-Clear CC, init_pswr(80), cc_delta(93)
[ 1580.031773] PMU:STATUS= 4: IBAT= 79: VSYS= 4039250: VBAT= 4022225: DSOC= 8093: RSOC= 80
93: cc_delta=93: rrf= 0
[ 1592.685918] TPS65185 temprature data = 0x1b,27
```

**Loaded modules:**

```
Module                  Size  Used by
g_ether                34573  0
bcmdhd                251924  0
sdio_wifi_pwr            474  0
```