

Nr.	client_id	Topic	Payload	Time
1	0fe8cb986550	Gas/control	RESET_STM	Sat Nov 22 2025 14:50:45 GMT+0000 (Coordinated Universal Time)
2	719a539b37a9	Gas/control	RESET_STM	Sat Nov 22 2025 14:49:57 GMT+0000 (Coordinated Universal Time)
3	b75bdae04363	Gas/control	RESET_STM	Sat Nov 22 2025 14:37:56 GMT+0000 (Coordinated Universal Time)
4	GAS_CONTROL-Client	Gas/ESP/data	SOH	Sat Nov 22 2025 14:32:28 GMT+0000 (Coordinated Universal Time)
5	GAS_CONTROL-Client	Gas/ESP/data	SOH	Sat Nov 22 2025 14:32:27 GMT+0000 (Coordinated Universal Time)
6	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (5936) state_timer_cb: Meter Observer: state_timer_cb[0m [0;32ml (5936) system_monitor_t: Starting[0m [0;32ml (5936) is_allowed_to_exit: Not allowed : recent communication[0m [0;32ml (5946) state_timer_cb: Meter Observer: not allowed to exit[0m	Sat Nov 22 2025 14:32:18 GMT+0000 (Coordinated Universal Time)
7	GAS_CONTROL-Client	Gas/ESP/data	ntr:0 [0m [0;32ml (626) gpio: GPIO[27] InputEn: 0 OutputEn: 1 OpenDrain: 0 Pullup: 0 Pulldown: 1 Intr:0 [0m [0;32ml (736) gpio: GPIO[4] InputEn: 0 OutputEn: 1 OpenDrain: 0 Pullup: 0 Pulldown: 1 Intr:0 [0m [0;32ml (736) gpio: GPIO[14] InputEn: 0 OutputEn: 1 OpenDrain: 0 Pullup: 0 Pulldown: 1 Intr:0 [0m [0;32ml (736) gpio: GPIO[13] InputEn: 1 OutputEn: 0 OpenDrain: 0 Pullup: 0 Pulldown: 1 Intr:3 [0m [0;32ml (746) gpio: GPIO[18] InputEn: 0 OutputEn: 1 OpenDrain: 1 Pullup: 0 Pulldown: 0 Intr:0 [0m [0;32ml (756)	Sat Nov 22 2025 14:32:13 GMT+0000 (Coordinated Universal Time)

```

gpio: GPIO[15]| InputEn: 0| OutputEn: 1| OpenDrain: 0| Pullup: 0| Pulldown: 1|
Intr:0 [0m [0;32ml (766) gpio: GPIO[5]| InputEn: 1| OutputEn: 0| OpenDrain:
0| Pullup: 0| Pulldown: 1| Intr:3 [0m [0;32ml (786) log_mgr:
##### [0m [0;32ml (786) log_mgr: ##### [0m
[0;32ml (786) log_mgr: current_index = 140 [0m current_index = 140
[0;32ml (786) log_mgr: ##### [0m [0;32ml (796) pow_acc:
##### [0m [0;32ml (796)
bat_monitor: calibration scheme version is Line Fitting [0m [0;32ml (806)
bat_monitor: Calibration Success [0m [0;32ml (816) gpio: GPIO[16]| InputEn:
0| OutputEn: 1| OpenDrain: 0| Pullup: 0| Pulldown: 1| Intr:0 [0m [0;32ml (816)
bundle_handler_t: Registering wallclock_change_callback [0m [0;32ml
(826) initialize: Flash list, c:5000, d:6000, size:40960 [0m [0;32ml (836)
bundle_status_report_handler_t: Registering wallclock_change_callback [0m
[0;32ml (846) initialize: Flash list, c:10000, d:11000, size:40960 [0m
[0;32ml (846) cooking_session_report_handler_t: Registering
wallclock_change_callback [0m [0;32ml (856)
migrate_deprecated_storage_area: CSRP: Migration not necessary [0m
[0;32ml (866) app_manager_t: Migrated 0 cooking sessions to new
location [0m [0;32ml (866) sleep_handler_task: Up and running [0m
[0;32ml (876) ota_meta_data: ota state [NONE] [0m [0;32ml (876)
ota_meta_data: Device is a compound image [0m [0;32ml (886)
app_manager_t: start >> [0m [0;32ml (886) User core: Wake up from
undefined [0m [0;32ml (896) event_broker_t: Starting [0m [0;32ml (906)
uart: ESP_INTR_FLAG_IRAM flag not set while CONFIG_UART_ISR_IN_IRAM is
enabled, flag updated [0m [0;32ml (906) uart: queue free spaces: 20 [0m
Recieved event 18 save_log: time=0 save_log: flash written, time=0 save_log:
NVS written, ts=0 [0m [0;32ml (916) app_manager_t: WAKEUP_BY_UNDEFINED ->
No reason to say awake but check if configure cmd will be received [0m
[0;32ml (926) app_manager_t: << start [0m [0;32ml (936) app_aws_task_t:
Starting [0m init_task g_PsmState : 0 init_task g_Cfun0State : 0 init_task
MQTT_Broker.mqtt_url : a14qywxsw72ny6-ats.iot.eu-west-1.amazonaws.com
init_task MQTT_Broker.mqtt_port : 8883 init_task
MQTT_Broker.operateCompany : KE-mgas init_task MQTT_Broker.LastJobId
count : 0 init_task MQTT_Broker.remainOtaJobState : 0 init_task
MQTT_Broker.remainOtaJobId : [0m [0;32ml (936) main_task: Start Px State
Observer.. [0m [0;32ml (986) User core: Wake up from undefined [0m
user_nvs_get_u8 nvs_get_u8 failed errNo = 4354! [0m [0;32ml (986)
./components/user/src/app/app_core.cpp: is_assembling Read
NVS_KEY_ASSEMBLING failed.. [0m

```

8	GAS_CONTROL- Client	Gas/ESP/data	ets Jul 29 2019 12:21:46 rst:0x1 (POWERON_RESET),boot:0x17 (SPI_FAST_FLASH_BOOT) configsip: 0, SPIWP:0xee clk_drv:0x00,q_drv:0x00,d_drv:0x00,cs0_drv:0x00,hd_drv:0x00,wp_drv:0x00 mode:DIO, clock div:2 load:0x3fff0030,len:1416 load:0x40078000,len:14892 ho 0 tail 12 room 4 load:0x40080400,len:3612 entry 0x400805a4 [0m [0;32ml (42) cpu_start: Pro cpu up. [0m [0;32ml (43) cpu_start: Starting app cpu, entry point is 0x40081834 [0m [0;32ml (0) cpu_start: App cpu up. [0m [0;32ml (107) cpu_start: Pro cpu start user code [0m [0;32ml (107) cpu_start: cpu freq: 160000000 Hz [0m [0;32ml (107) cpu_start: Application information: [0m [0;32ml (110) cpu_start: Project name: PXFW1_COMP_6_7 [0m [0;32ml (115) cpu_start: App version: 12 [0m [0;32ml (120) cpu_start: Compile time: May 24 2025 06:54:42 [0m [0;32ml (126) cpu_start: ELF file SHA256: 6f07d6687be69fce.. [0m [0;32ml (132) cpu_start: ESP-IDF: HEAD-HASH-NOTFOUND [0m [0;32ml (138) heap_init: Initializing. RAM available for dynamic allocation: [0m [0;32ml (145) heap_init: At 3FFAFF10 len 000000F0 (0 KiB): DRAM [0m [0;32ml (151)	Sat Nov 22 2025 14:32:12 GMT+0000 (Coordinated Universal Time)
---	---------------------	--------------	---	---

```

heap_init: At 3FFB6388 len 00001C78 (7 KiB): DRAM[0m [0;32ml (157)
heap_init: At 3FFB9A20 len 00004108 (16 KiB): DRAM[0m [0;32ml (163)
heap_init: At 3FFCF948 len 000106B8 (65 KiB): DRAM[0m [0;32ml (169)
heap_init: At 3FFE0440 len 00003AE0 (14 KiB): D/IRAM[0m [0;32ml (176)
heap_init: At 3FFE4350 len 0001BCB0 (111 KiB): D/IRAM[0m [0;32ml (182)
heap_init: At 40098420 len 00007BE0 (30 KiB): IRAM[0m [0;32ml (189)
spi_flash: detected chip: gd[0m [0;32ml (193) spi_flash: flash io: qio[0m
[0;32ml (199) cpu_start: Starting scheduler on PRO CPU.[0m [0;32ml (0)
cpu_start: Starting scheduler on APP CPU.[0m
===== Px Esp32 App Start
===== ver: 6_7 [0;32ml (226)
app_manager_t: init >>[0m [0;32ml (226) system_api: Base MAC address is
not set[0m [0;32ml (236) system_api: read default base MAC address from
EFUSE[0m ESP32 base MAC: d0:ef:76:09:b1:b0 [0;32ml (246) app_core_init:
Startup wallclock time: 0, Thu Jan 1 00:00:00 1970 [0m [0;32ml (356)
init_csrp_sanity_check: Sanitized CSRP index values, created:0, sent:0[0m
UUID_SEQUENCE_NO : 168 PCB_REVISION : 68
SUBSYSTEM_FIRMWARE_VERSION : 103 LAST_VOLTAGE_MEASUREMENT :
Property type is not supported for print SOS_ROUTINE_CONFIG : Blob type print
is unsupported STM32_SOS_RESET_COUNT : 0 WAKEUP_TIMER_TYPE : 2
CUSTOMER_ID : 000000000 CHILD_LOCK : Blob type print is unsupported
CSRP_CREATED : 0 CSRP_SENT : 0 CS_REPORTS_SENT : 293
CSRP_CUMUL_CREDIT : 0.000000 CSRP_CUMUL_GAS : 0.000000
CSRP_GAS_USED : Property type is not supported for print CSRP_CREDIT_USED
: Property type is not supported for print CSRP_UNIT_PRICE : Property type is
not supported for print CSRP_LAST_END_TIME : 1757102772 PRICE_PROFILE_ID :
207be5c9-f02e-4cbd-95d2-996a28f19789 PRICE_PRODUCT_ID :
UP02082025_0003 UNIT_PRICE : 275.000000 CURRENCY : KES
REMAINING_CREDIT : 0.000000 LAST_ADJUST_CREDIT_AMOUNT : Property type
is not supported for print NEW_BUNDLE_PRICE_INFO : Blob type print is
unsupported CUR_BUNDLE_PRICE_INFO : Blob type print is unsupported
ACTIVE_BUNDLE_INFO : Blob type print is unsupported REMAINING_GAS :
0.000000 BUNDLE_ACTIVATION_TIME : Property type is not supported for print
BUNDLE_DEACTIVATION_TIME : Property type is not supported for print
BUNDLE_DURATION_LEFT : Property type is not supported for print
BUNDLE_GAS_LEFT : Property type is not supported for print
UNKNOWN_PROPERTY_ID (32) : Property type is not supported for print
BUNDLE_EXPIRY_LEFT : Property type is not supported for print
REPORTED_SYSTEM_STATUS : 1 CURRENT_SYSTEM_STATUS : 2
UNKNOWN_PROPERTY_ID (36) : Property type is not supported for print
CONSUMPTION_IN_LAST_COOKING_SESSION : Property type is not supported
for print NW_OPER_ID : Property type is not supported for print app_var_init
g_meterId : 24120120297 app_var_init g_updatePeriod : 1440 app_var_init
g_startPeriod : 604 app_var_init g_warnLowBattery : 500 app_var_init
g_warnLowCreditBalance : 0.000000 app_var_init g_warnLowGasMass :
0.000000 app_var_init g_opValveCnt : 948 app_var_init g_mAhRemain : 16902
app_var_init g_openCloseLock : 0 app_var_init g_closeValve : 0 app_var_init
modemName : Quectel_BC660K-GL app_var_init modemFwVersion :
BC660KGLAAR01A05 app_var_init modemIMEI : 861275073000214 app_var_init
modemIMSI : 639014000364095 app_var_init g_stlccid.iccid_nu :
89254014000103640950 app_var_init g_displayDuration : 10 app_var_init
g_densityChange : 2.525000 app_var_init g_cookMinsRemain : 30 app_var_init
g_cookTimeout : 3 app_var_init g_meterStatus : 1 app_var_init g_bleTimeout : 5
user_nvs_get_u32 nvs_get_u32 failed errNo = 4354! app_var_init get super cap
capacity failed to be read! [0;32ml (586) mqtt_broker_data_handler_t:
Starting[0m [0;32ml (596) gpio: GPIO[2] InputEn: 0 OutputEn: 1

```

OpenDrain: 0| Pullup: 0| Pulldown: 1| Intr:0 [0m [0;32ml (606) gpio:
GPIO[17]| InputEn: 0| OutputEn: 1| OpenDrain: 0| Pullup: 0| Pulldown: 1| Intr:0
[0m [0;32ml (616) gpio: GPIO[26]| InputEn: 0| OutputEn: 1| OpenDrain: 0|
Pullup: 0| Pulldown: 1| I

9	9a25376d30bf	Gas/control	RESET_STM	Sat Nov 22 2025 14:32:11 GMT+0000 (Coordinated Universal Time)
10	b51fc04691ab	Gas/control	RESET_STM	Sat Nov 22 2025 14:31:00 GMT+0000 (Coordinated Universal Time)
11	a8519ed5cf21	Gas/control	RESET_STM	Sat Nov 22 2025 14:27:24 GMT+0000 (Coordinated Universal Time)
12	c07aa3257a0d	Gas/control	RESET_STM	Sat Nov 22 2025 14:26:41 GMT+0000 (Coordinated Universal Time)
13	GAS_CONTROL- Client	Gas/ESP/data	[0;32ml (5936) state_timer_cb: Meter Observer: state_timer_cb[0m [0;32ml (5936) system_monitor_t: Starting[0m [0;32ml (5936) is_allowed_to_exit: Not allowed : recent communication[0m [0;32ml (5946) state_timer_cb: Meter Observer: not allowed to exit[0m	Sat Nov 22 2025 14:26:06 GMT+0000 (Coordinated Universal Time)
14	GAS_CONTROL- Client	Gas/ESP/data	[0;32ml (736) gpio: GPIO[4] InputEn: 0 OutputEn: 1 OpenDrain: 0 Pullup: 0 Pulldown: 1 Intr:0 [0m [0;32ml (736) gpio: GPIO[14] InputEn: 0 OutputEn: 1 OpenDrain: 0 Pullup: 0 Pulldown: 1 Intr:0 [0m [0;32ml (736) gpio: GPIO[13] InputEn: 1 OutputEn: 0 OpenDrain: 0 Pullup: 0 Pulldown: 1 Intr:3 [0m [0;32ml (746) gpio: GPIO[18] InputEn: 0 OutputEn: 1 OpenDrain: 1 Pullup: 0 Pulldown: 0 Intr:0 [0m [0;32ml (756) gpio: GPIO[15] InputEn: 0 OutputEn: 1 OpenDrain: 0 Pullup: 0 Pulldown: 1 Intr:0 [0m [0;32ml (766) gpio: GPIO[5] InputEn: 1 OutputEn: 0 OpenDrain: 0 Pullup: 0 Pulldown: 1 Intr:3 [0m [0;32ml (786) log_mgr: ##### [0m [0;32ml (786) log_mgr: ##### [0m [0;32ml (786) log_mgr: current_index = 139 [0m current_index = 139 [0;32ml (786) log_mgr: ##### [0m [0;32ml (796) pow_acc: ##### unix1760409947 uAh:0.000000 [0m [0;32ml (796) bat_monitor: calibration	Sat Nov 22 2025 14:26:00 GMT+0000 (Coordinated Universal Time)

scheme version is Line Fitting[0m [0;32ml (806) bat_monitor: Calibration Success[0m [0;32ml (816) gpio: GPIO[16] InputEn: 0 OutputEn: 1 OpenDrain: 0 Pullup: 0 Pulldown: 1 Intr:0 [0m [0;32ml (816) bundle_handler_t: Registering wallclock_change_callback[0m [0;32ml (826) initialize: Flash list, c:5000, d:6000, size:40960[0m [0;32ml (836) bundle_status_report_handler_t: Registering wallclock_change_callback[0m [0;32ml (846) initialize: Flash list, c:10000, d:11000, size:40960[0m [0;32ml (846) cooking_session_report_handler_t: Registering wallclock_change_callback[0m [0;32ml (856) migrate_deprecated_storage_area: CSRP: Migration not necessary[0m [0;32ml (866) app_manager_t: Migrated 0 cooking sessions to new location[0m [0;32ml (866) sleep_handler_task: Up and running! [0m [0;32ml (876) ota_meta_data: ota state [NONE] [0m [0;32ml (876) ota_meta_data: Device is a compound image [0m [0;32ml (886) app_manager_t: start >> [0m [0;33mW (886) User core: Wake up from undefined [0m [0;32ml (896) event_broker_t: Starting [0m [0;32ml (906) uart: ESP_INTR_FLAG_IRAM flag not set while CONFIG_UART_ISR_IN_IRAM is enabled, flag updated [0m [0;32ml (906) uart: queue free spaces: 20 [0m Recieved event 18 save_log: time=0 save_log: flash written, time=0 save_log: NVS written, ts=0 [0m [0;32ml (916) app_manager_t: WAKEUP_BY_UNDEFINED -> No reason to say awake but check if configure cmd will be received [0m [0;32ml (926) app_manager_t: << start [0m [0;32ml (936) app_aws_task_t: Starting [0m init_task g_PsmState : 0 init_task g_Cfun0State : 0 init_task MQTT_Broker.mqtt_url : a14qywxsw72ny6-ats.iot.eu-west-1.amazonaws.com init_task MQTT_Broker.mqtt_port : 8883 init_task MQTT_Broker.operateCompany : KE-mgas init_task MQTT_Broker.LastJobId count : 0 init_task MQTT_Broker.remainOtaJobState : 0 init_task MQTT_Broker.remainOtaJobId : [0m [0;32ml (936) main_task: Start Px State Observer.. [0;33mW (986) User core: Wake up from undefined [0m user_nvs_get_u8 nvs_get_u8 failed errNo = 4354! [0m [0;32ml (986) ./components/user/src/app/app_core.cpp: is_assembling Read NVS_KEY_ASSEMBLING failed.. [0m

15	GAS_CONTROL- Client	Gas/ESP/data	ets Jul 29 2019 12:21:46 rst:0x1 (POWERON_RESET),boot:0x17 (SPI_FAST_FLASH_BOOT) configsip: 0, SPIWP:0xee clk_drv:0x00,q_drv:0x00,d_drv:0x00,cs0_drv:0x00,hd_drv:0x00,wp_drv:0x00 mode:DIO, clock div:2 load:0x3fff0030,len:1416 load:0x40078000,len:14892 ho 0 tail 12 room 4 load:0x40080400,len:3612 entry 0x400805a4 [0m [0;32ml (42) cpu_start: Pro cpu up. [0m [0;32ml (43) cpu_start: Starting app cpu, entry point is 0x40081834 [0m [0;32ml (0) cpu_start: App cpu up. [0m [0;32ml (107) cpu_start: Pro cpu start user code [0m [0;32ml (107) cpu_start: cpu freq: 160000000 Hz [0m [0;32ml (107) cpu_start: Application information. [0m [0;32ml (110) cpu_start: Project name: PXFW1_COMP_6_7 [0m [0;32ml (115) cpu_start: App version: 12 [0m [0;32ml (120) cpu_start: Compile time: May 24 2025 06:54:42 [0m [0;32ml (126) cpu_start: ELF file SHA256: 6f07d6687be69fce.. [0m [0;32ml (132) cpu_start: ESP-IDF: HEAD-HASH-NOTFOUND [0m [0;32ml (138) heap_init: Initializing. RAM available for dynamic allocation: [0m [0;32ml (145) heap_init: At 3FFAFF10 len 000000F0 (0 KiB): DRAM [0m [0;32ml (151) heap_init: At 3FFB6388 len 00001C78 (7 KiB): DRAM [0m [0;32ml (157) heap_init: At 3FFB9A20 len 00004108 (16 KiB): DRAM [0m [0;32ml (163) heap_init: At 3FFCF948 len 000106B8 (65 KiB): DRAM [0m [0;32ml (169) heap_init: At 3FFE0440 len 00003AE0 (14 KiB): D/IRAM [0m [0;32ml (176) heap_init: At 3FFE4350 len 0001BCB0 (111 KiB): D/IRAM [0m [0;32ml (182) heap_init: At 40098420 len 00007BE0 (30 KiB): IRAM [0m [0;32ml (189) spi_flash: detected chip: gd [0m [0;32ml (193) spi_flash: flash io: qio [0m	Sat Nov 22 2025 14:25:59 GMT+0000 (Coordinated Universal Time)
----	---------------------	--------------	--	--

```

[0;32m (199) cpu_start: Starting scheduler on PRO CPU.[0m [0;32m (0)
cpu_start: Starting scheduler on APP CPU.[0m
===== Px Esp32 App Start
===== ver: 6_7 [0;32m (226)
app_manager_t: init >>[0m [0;32m (226) system_api: Base MAC address is
not set[0m [0;32m (236) system_api: read default base MAC address from
EFUSE[0m ESP32 base MAC: d0:ef:76:09:b1:b0 [0;32m (246) app_core_init:
Startup wallclock time: 0, Thu Jan 1 00:00:00 1970 [0m [0;32m (356)
init_csrp_sanity_check: Sanitized CSRP index values, created:0, sent:0[0m
UUID_SEQUENCE_NO : 168 PCB_REVISION : 68
SUBSYSTEM_FIRMWARE_VERSION : 103 LAST_VOLTAGE_MEASUREMENT :
Property type is not supported for print SOS_ROUTINE_CONFIG : Blob type print
is unsupported STM32_SOS_RESET_COUNT : 0 WAKEUP_TIMER_TYPE : 2
CUSTOMER_ID : 000000000 CHILD_LOCK : Blob type print is unsupported
CSRP_CREATED : 0 CSRP_SENT : 0 CS_REPORTS_SENT : 293
CSRP_CUMUL_CREDIT : 0.000000 CSRP_CUMUL_GAS : 0.000000
CSRP_GAS_USED : Property type is not supported for print CSRP_CREDIT_USED
: Property type is not supported for print CSRP_UNIT_PRICE : Property type is
not supported for print CSRP_LAST_END_TIME : 1757102772 PRICE_PROFILE_ID
: 207be5c9-f02e-4cbd-95d2-996a28f19789 PRICE_PRODUCT_ID :
UP02082025_0003 UNIT_PRICE : 275.000000 CURRENCY : KES
REMAINING_CREDIT : 0.000000 LAST_ADJUST_CREDIT_AMOUNT : Property type
is not supported for print NEW_BUNDLE_PRICE_INFO : Blob type print is
unsupported CUR_BUNDLE_PRICE_INFO : Blob type print is unsupported
ACTIVE_BUNDLE_INFO : Blob type print is unsupported REMAINING_GAS :
0.000000 BUNDLE_ACTIVATION_TIME : Property type is not supported for print
BUNDLE_DEACTIVATION_TIME : Property type is not supported for print
BUNDLE_DURATION_LEFT : Property type is not supported for print
BUNDLE_GAS_LEFT : Property type is not supported for print
UNKNOWN_PROPERTY_ID (32) : Property type is not supported for print
BUNDLE_EXPIRY_LEFT : Property type is not supported for print
REPORTED_SYSTEM_STATUS : 1 CURRENT_SYSTEM_STATUS : 2
UNKNOWN_PROPERTY_ID (36) : Property type is not supported for print
CONSUMPTION_IN_LAST_COOKING_SESSION : Property type is not supported
for print NW_OPER_ID : Property type is not supported for print app_var_init
g_meterId : 24120120297 app_var_init g_updatePeriod : 1440 app_var_init
g_startPeriod : 604 app_var_init g_warnLowBattery : 500 app_var_init
g_warnLowCreditBalance : 0.000000 app_var_init g_warnLowGasMass :
0.000000 app_var_init g_opValveCnt : 948 app_var_init g_mAhRemain : 16902
app_var_init g_openCloseLock : 0 app_var_init g_closeValve : 0 app_var_init
modemName : Quectel_BC660K-GL app_var_init modemFwVersion :
BC660KGLAAR01A05 app_var_init modemIMEI : 861275073000214 app_var_init
modemIMSI : 639014000364095 app_var_init g_stlccid.iccid_nu :
89254014000103640950 app_var_init g_displayDuration : 10 app_var_init
g_densityChange : 2.525000 app_var_init g_cookMinsRemain : 30 app_var_init
g_cookTimeout : 3 app_var_init g_meterStatus : 1 app_var_init g_bleTimeout : 5
user_nvs_get_u32 nvs_get_u32 failed errNo = 4354! app_var_init get super cap
capacity failed to be read! [0;32m (586) mqtt_broker_data_handler_t:
Starting[0m [0;32m (596) gpio: GPIO[2]| InputEn: 0| OutputEn: 1|
OpenDrain: 0| Pullup: 0| Pulldown: 1| Intr:0 [0m [0;32m (606) gpio:
GPIO[17]| InputEn: 0| OutputEn: 1| OpenDrain: 0| Pullup: 0| Pulldown: 1| Intr:0
[0m [0;32m (616) gpio: GPIO[26]| InputEn: 0| OutputEn: 1| OpenDrain: 0|
Pullup: 0| Pulldown: 1| Intr:0 [0m [0;32m (626) gpio: GPIO[27]| InputEn: 0|
OutputEn: 1| OpenDrain: 0| Pullup: 0| Pulldown: 1| Intr:0 [0m

```

16	GAS_CONTROL- Client	Gas/ESP/data	GAS TESTER READY!!	Sat Nov 22 2025 14:25:55 GMT+0000 (Coordinated Universal Time)
17	ff8dcb004566	Gas/control	RESET_STM	Sat Nov 22 2025 14:24:50 GMT+0000 (Coordinated Universal Time)
18	GAS_CONTROL- Client	Gas/ESP/data	GAS TESTER READY!!	Sat Nov 22 2025 14:05:31 GMT+0000 (Coordinated Universal Time)
19	095b50ad4b17	Gas/control	RESET_STM	Sat Nov 22 2025 14:01:21 GMT+0000 (Coordinated Universal Time)
20	f2404a0a2fbe	Gas/control	RESET_STM	Sat Nov 22 2025 14:01:20 GMT+0000 (Coordinated Universal Time)
21	41ee462527a1	Gas/control	RESET_STM	Sat Nov 22 2025 14:01:19 GMT+0000 (Coordinated Universal Time)
22	5509e84c8e11	Gas/control	RESET_STM	Sat Nov 22 2025 14:01:18 GMT+0000 (Coordinated Universal Time)

23	4dd944b65f63	Gas/control	RESET_STM	Sat Nov 22 2025 14:01:18 GMT+0000 (Coordinated Universal Time)
24	5e48d65b78f9	Gas/control	RESET_STM	Sat Nov 22 2025 14:01:17 GMT+0000 (Coordinated Universal Time)
25	GAS_CONTROL- Client	Gas/ESP/data	BS30H30H	Sat Nov 22 2025 13:58:55 GMT+0000 (Coordinated Universal Time)
26	095b50ad4b17	Gas/control	RESET_STM	Sat Nov 22 2025 13:56:10 GMT+0000 (Coordinated Universal Time)
27	41ee462527a1	Gas/control	RESET_STM	Sat Nov 22 2025 13:56:04 GMT+0000 (Coordinated Universal Time)
28	GAS_CONTROL- Client	Gas/ESP/data	[0;32ml (10935) state_timer_cb: Meter Observer: state_timer_cb[0m [0;32ml (10935) is_allowed_to_exit: Not allowed : recent communication[0m [0;32ml (10935) state_timer_cb: Meter Observer: not allowed to exit[0m	Sat Nov 22 2025 13:52:21 GMT+0000 (Coordinated Universal Time)
29	GAS_CONTROL- Client	Gas/ESP/data	[0;32ml (5935) state_timer_cb: Meter Observer: state_timer_cb[0m [0;32ml (5935) is_allowed_to_exit: Not allowed : recent communication[0m [0;32ml (5935) state_timer_cb: Meter Observer: not allowed to exit[0m	Sat Nov 22 2025 13:52:16 GMT+0000 (Coordinated Universal Time)

30	GAS_CONTROL-Client	Gas/ESP/data	GAS TESTER READY!!	Sat Nov 22 2025 13:52:13 GMT+0000 (Coordinated Universal Time)
31	5e48d65b78f9	Gas/control	RESET_STM	Sat Nov 22 2025 13:52:03 GMT+0000 (Coordinated Universal Time)
32	f2404a0a2fbe	Gas/control	RESET_STM	Sat Nov 22 2025 13:51:58 GMT+0000 (Coordinated Universal Time)
33	GAS_CONTROL-Client	Gas/ESP/data		Sat Nov 22 2025 13:48:00 GMT+0000 (Coordinated Universal Time)
34	GAS_CONTROL-Client	Gas/ESP/data	GAS TESTER READY!!	Sat Nov 22 2025 13:46:08 GMT+0000 (Coordinated Universal Time)
35	aed0da155fdf	Gas/control	RESET_STM	Sat Nov 22 2025 13:44:10 GMT+0000 (Coordinated Universal Time)
36	18467c267cbb	Gas/control	RESET_STM	Sat Nov 22 2025 13:44:09 GMT+0000 (Coordinated Universal Time)

37	282be7cd2821	Gas/control	RESET_STM	Sat Nov 22 2025 13:44:08 GMT+0000 (Coordinated Universal Time)
38	282be7cd2821	Gas/control	RESET_STM	Sat Nov 22 2025 13:01:34 GMT+0000 (Coordinated Universal Time)
39	5509e84c8e11	Gas/control	RESET_STM	Sat Nov 22 2025 12:54:24 GMT+0000 (Coordinated Universal Time)
40	GAS_CONTROL- Client	Gas/ESP/data	GAS TESTER READY!!	Sat Nov 22 2025 12:53:56 GMT+0000 (Coordinated Universal Time)
41	4dd944b65f63	Gas/control	RESET_STM	Sat Nov 22 2025 12:53:26 GMT+0000 (Coordinated Universal Time)
42	246ed55eef5b	Gas/control	RESET_STM	Sat Nov 22 2025 12:50:02 GMT+0000 (Coordinated Universal Time)
43	aed0da155fdf	Gas/control	RESET_STM	Sat Nov 22 2025 12:49:17 GMT+0000 (Coordinated Universal Time)

44	18467c267cbb	Gas/control	RESET_STM	Sat Nov 22 2025 12:48:46 GMT+0000 (Coordinated Universal Time)
45	GAS_CONTROL- Client	Gas/ESP/data	GAS TESTER READY!!	Sat Nov 22 2025 12:44:12 GMT+0000 (Coordinated Universal Time)
46	2fc6323eeddc	Gas/control	RESET_STM	Sat Nov 22 2025 12:39:15 GMT+0000 (Coordinated Universal Time)
47	1c5ff21290f0	Gas/control	RESET_STM	Sat Nov 22 2025 12:38:59 GMT+0000 (Coordinated Universal Time)
48	3ebfda6061b1	Gas/control	RESET_STM	Sat Nov 22 2025 12:33:22 GMT+0000 (Coordinated Universal Time)
49	f5d88f08613c	Gas/control	RESET_STM	Sat Nov 22 2025 12:32:49 GMT+0000 (Coordinated Universal Time)
50	GAS_CONTROL- Client	Gas/ESP/data	GAS TESTER READY!!	Sat Nov 22 2025 12:32:35 GMT+0000 (Coordinated Universal Time)

51	c197aa901237	Gas/control	RESET_STM	Sat Nov 22 2025 12:31:34 GMT+0000 (Coordinated Universal Time)
52	06f759689c71	Gas/control	RESET_STM	Sat Nov 22 2025 09:04:54 GMT+0000 (Coordinated Universal Time)
53	7accbbe78d1a	Gas/control	RESET_STM	Sat Nov 22 2025 09:02:50 GMT+0000 (Coordinated Universal Time)
54	0f1f00259eba	Gas/control	RESET_STM	Sat Nov 22 2025 09:02:49 GMT+0000 (Coordinated Universal Time)
55	22c64a8e6188	Gas/control	RESET_STM	Sat Nov 22 2025 09:02:49 GMT+0000 (Coordinated Universal Time)
56	cdcf88eb78df	Gas/control	RESET_STM	Sat Nov 22 2025 09:02:49 GMT+0000 (Coordinated Universal Time)
57	54a72deeedfb	Gas/control	RESET_STM	Sat Nov 22 2025 09:02:47 GMT+0000 (Coordinated Universal Time)

58	28b8b7d2398d	Gas/control	RESET_STM	Sat Nov 22 2025 09:02:42 GMT+0000 (Coordinated Universal Time)
59	bbaa0ba4ed22	Gas/control	RESET_STM	Sat Nov 22 2025 09:02:40 GMT+0000 (Coordinated Universal Time)
60	8f6419069954	Gas/control	RESET_STM	Sat Nov 22 2025 08:41:54 GMT+0000 (Coordinated Universal Time)
61	60c1d9ea4fac	Gas/control	RESET_STM	Sat Nov 22 2025 08:32:58 GMT+0000 (Coordinated Universal Time)
62	91770fdb689e	Gas/control	RESET_STM	Sat Nov 22 2025 08:29:17 GMT+0000 (Coordinated Universal Time)
63	9c2a521e2486	Gas/control	RESET_STM	Sat Nov 22 2025 08:29:06 GMT+0000 (Coordinated Universal Time)
64	GAS_CONTROL- Client	Gas/ESP/data	GAS TESTER READY!!	Sat Nov 22 2025 07:55:32 GMT+0000 (Coordinated Universal Time)

65	b282048ac494	Gas/control	RESET_STM	Thu Nov 20 2025 21:33:38 GMT+0000 (Coordinated Universal Time)
66	88e0119e90f3	Gas/control	RESET_STM	Thu Nov 20 2025 21:30:10 GMT+0000 (Coordinated Universal Time)
67	8c882eca2c51	Gas/control	RESET_STM	Thu Nov 20 2025 21:30:07 GMT+0000 (Coordinated Universal Time)
68	a32a5b8fa0ef	Gas/control	RESET_STM	Thu Nov 20 2025 21:30:06 GMT+0000 (Coordinated Universal Time)
69	eb97558cafce	Gas/control	RESET_STM	Thu Nov 20 2025 05:49:34 GMT+0000 (Coordinated Universal Time)
70	eb97558cafce	Gas/control	RESET_STM	Wed Nov 19 2025 22:59:21 GMT+0000 (Coordinated Universal Time)
71	b5dab22f7f71	Gas/control	RESET_STM	Wed Nov 19 2025 21:02:10 GMT+0000 (Coordinated Universal Time)

72	780abd94f60e	Gas/control	RESET_STM	Wed Nov 19 2025 21:01:35 GMT+0000 (Coordinated Universal Time)
73	GAS_CONTROL-Client	Gas/ESP/data	GAS TESTER READY!!	Mon Nov 17 2025 15:12:28 GMT+0000 (Coordinated Universal Time)
74	GAS_CONTROL-Client	Gas/ESP/data	<pre> [0;32m (61221) pow_acc: deep sleep=3462.173363,evt=722.044399, flash =0.000000 ,all=4184.217763 ,xx_s=41.8[0m Esp32 Used = 4184uAh. time = 1763392172 To Send Subdata, 22 bytes 0x5a 0xa5 0x5 0x0 0xc 0x2 0xc0 0x6 0x2d 0xc2 0x1a 0x60 0x2 0x10 0x58 0x28 0x70 0x4 0x69 0x1b 0x3a 0xac sendTable2_tlv_protocol, 14 bytes 0x5a </pre>	Mon Nov 17 2025 15:09:32 GMT+0000 (Coordinated Universal Time)
75	GAS_CONTROL-Client	Gas/ESP/data	<pre> [0;32m (56911) is_allowed_to_exit: Allowed : no rules violated[0m [0;32m (56911) state_timer_cb: Meter Observer: sleep_handler_notify_exit[0m [0;32m (56921) sleep_handler_task: Received notification value is 1[0m user_nvs_get_u8 nvs_get_u8 failed errNo = 4354! [0;32m (56941) ./components/user/src/app/app_core.cpp: is_assembling Read NVS_KEY_ASSEMBLING failed. [0m [0;32m (56941) network_manager: Disconnecting from the network[0m [0;32m (56961) pppos_new: PPP state changed event 267[0m [0;32m (56961) pppos_new: PPP state changed event 265[0m [0;32m (56961) pppos_new: PPP state changed event 262[0m [0;32m (56971) pppos_new: PPP state changed event 268[0m [0;32m (56981) pppos_new: PPP state changed event 256[0m [0;32m (56981) esp-netif_lwip-ppp: User interrupt[0m [0;32m (56991) pppos_new: PPP state changed event 5[0m [0;32m (56991) pppos_new: User interrupted event from netif:0x3ffdfdb0[0m [0;32m (57001) esp_modem_netif: PPP state changed event 5[0m run pppos_disc ret=0 pppos_power_down_modem : set cfun0 </pre>	Mon Nov 17 2025 15:09:28 GMT+0000 (Coordinated Universal Time)
76	GAS_CONTROL-Client	Gas/ESP/data	<pre> [0;32m (51911) is_allowed_to_exit: Not allowed : recent communication[0m [0;32m (51911) state_timer_cb: Meter Observer: not allowed to exit[0m </pre>	Mon Nov 17 2025 15:09:23 GMT+0000 (Coordinated Universal Time)
77	GAS_CONTROL-Client	Gas/ESP/data	<pre> [0;32m (46911) state_timer_cb: Meter Observer: is gb_wakeupP1[0m To wakeupP1 [0;32m (46931) uart_toP1_task: Received Data: 14 bytes[0m [0;32m (46931) uart_toP1_task: 0x5a 0xa5 0x5 0x0 0x4 0x1 0x35 0xe7 0xfb 0x5b 0x4c 0x53 0x1 0x0 [0m P1 Data Updated! [0;32m (46961) sendReply: Send Ack! [0m </pre>	Mon Nov 17 2025 15:09:18 GMT+0000 (Coordinated Universal Time)

78	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (40971) handle_update_timeout: Shadow update period expired[0m [0;32ml (41271) execute_shadow_changes: Executing recorded shadow changes for pricing_profile[0m [0;32ml (41371) run_handler_loop: Done executing recorded shadow changes[0m [0;32ml (41571) process_main_state: No more unacknowledged packets - shutting down[0m [0;33mW (41581) cancel_timer: Timer handle is NULL[0m [0;33mW (41581) cancel_timer: Timer handle is NULL[0m [0;33mW (41581) cancel_timer: Timer handle is NULL[0m aws_Disconnect : aws_Disconnect succeeded ! To wakeupP1 [0;32ml (41621) uart_toP1_task: Received Data: 14 bytes[0m [0;32ml (41621) uart_toP1_task: 0x5a 0xa5 0x5 0x0 0x4 0x1 0x35 0xe7 0xfb 0x5b 0x4c 0x53 0x1 0x0 [0m P1 Data Updated! [0;32ml (41651) sendReply: Send Ack[0m [0;32ml (41911) state_timer_cb: Meter Observer: Not in idle state (80000000), ESP32 free heap: 78252[0m	Mon Nov 17 2025 15:09:13 GMT+0000 (Coordinated Universal Time)
79	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (39031) set_packet_as_acknowledged: Received MQTT ACK (packet_id:9, type:64): Was registered[0m [0;32ml (39531) set_packet_as_acknowledged: Received MQTT ACK (packet_id:10, type:64): Was registered[0m [0;32ml (39631) set_packet_as_acknowledged: Received MQTT ACK (packet_id:11, type:176): Was registered[0m	Mon Nov 17 2025 15:09:11 GMT+0000 (Coordinated Universal Time)
80	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (38171) set_packet_as_acknowledged: Received MQTT ACK (packet_id:7, type:64): Was registered[0m [0;32ml (38271) handle_incoming_mqtt_data: Incoming publish topic : \$aws/things/23100013302/jobs/get/accepted[0m [0;32ml (38271) handle_incoming_mqtt_data: Incoming publish size : 60, payload : {"timestamp":1763392149,"InProgressJobs":[],"queuedJobs":[]} [0m [0;32ml (38281) parse_joblist: Parsing command payload {"timestamp":1763392149,"InProgressJobs":[],"queuedJobs":[]} [0m [0;32ml (38291) parse_joblist: job_ids 0[0m [0;32ml (38301) process_joblist: No pending jobs[0m [0;32ml (38311) unsubscribe: packet_id: 11, topic: \$aws/things/23100013302/jobs[0m [0;32ml (38311) cleanup_and_end: Cleaning up command handler and ending processing[0m [0;32ml (38421) set_packet_as_acknowledged: Received MQTT ACK (packet_id:8, type:64): Was registered[0m [0;32ml (38421) enable_processing: command_handler[0m [0;32ml (38431) enable_processing: shadow_handler[0m [0;32ml (38531) run_handler_loop: Command handler is ready to process commands[0m [0;32ml (38731) run_handler_loop: No remaining commands to acknowledge, going to next state[0m	Mon Nov 17 2025 15:09:10 GMT+0000 (Coordinated Universal Time)
81	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (35961) set_packet_as_acknowledged: Received MQTT ACK (packet_id:5, type:144): Was registered[0m [0;32ml (35961) check_subscription_state: Got SUBACK 5 for shadow[0m [0;32ml (35971) handle_incoming_mqtt_ack: All subscriptions succeeded, going to InProgress mode[0m [0;32ml (36471) enable_processing: job_handler[0m [0;32ml (36571) publish: packet_id: 7, topic: \$aws/things/23100013302/jobs/get[0m [0;32ml (36571) publish: payload (2 bytes): {} [0m	Mon Nov 17 2025 15:09:08 GMT+0000 (Coordinated Universal Time)
82	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (34921) set_packet_as_acknowledged: Received MQTT ACK (packet_id:2, type:144): Was registered[0m [0;32ml (34921) run_handler_loop: No unpublished commands, going to next state[0m [0;32ml (35331) set_packet_as_acknowledged: Received MQTT ACK (packet_id:3, type:144): Was registered[0m [0;32ml (35331) check_subscription_state: Got SUBACK 3 for shadow[0m [0;32ml (35441) set_packet_as_acknowledged: Received MQTT ACK (packet_id:4, type:144): Was registered[0m [0;32ml (35441) check_subscription_state: Got SUBACK 4 for	Mon Nov 17 2025 15:09:07 GMT+0000 (Coordinated Universal Time)

			shadow[0m [0;32ml (35851) set_packet_as_acknowledged: Received MQTT ACK (packet_id:6, type:144): Was registered[0m [0;32ml (35851) check_subscription_state: Got SUBACK 6 for shadow[0m	
83	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (34261) subscribe: packet_id: 3, topic: \$aws/things/23100013302/shadow/name/pricing_profile/get/accepted[0m [0;32ml (34261) subscribe: packet_id: 4, topic: \$aws/things/23100013302/shadow/name/pricing_profile/get/rejected[0m [0;32ml (34301) subscribe: packet_id: 5, topic: \$aws/things/23100013302/shadow/name/pricing_profile/delete/accepted[0m [0;32ml (34301) subscribe: packet_id: 6, topic: \$aws/things/23100013302/shadow/name/pricing_profile/update/delta[0m [0;32ml (34811) set_packet_as_acknowledged: Received MQTT ACK (packet_id:1, type:144): Was registered[0m [0;32ml (34811) check_subscription_state: Got SUBACK 1 for commands[0m	Mon Nov 17 2025 15:09:06 GMT+0000 (Coordinated Universal Time)
84	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (33251) mqtt_packet_ack_handler_t: Starting[0m [0;32ml (33251) subscribe: packet_id: 1, topic: \$aws/commands/things/23100013302/executions/+/request/json[0m [0;32ml (33761) subscribe: packet_id: 2, topic: \$aws/things/23100013302/jobs[0m	Mon Nov 17 2025 15:09:05 GMT+0000 (Coordinated Universal Time)
85	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (31541) aws_Connect: Connected to MQTT broker[0m To wakeupP1 [0;32ml (31591) uart_toP1_task: Received Data: 14 bytes[0m [0;32ml (31601) uart_toP1_task: 0x5a 0xa5 0x5 0x0 0x4 0x1 0x35 0xe7 0xfb 0x5b 0x4c 0x53 0x1 0x0 [0m P1 Data Updated! [0;32ml (31631) sendReply: Send Ack![0m	Mon Nov 17 2025 15:09:03 GMT+0000 (Coordinated Universal Time)
86	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (30051) connectToServerWithBackoffRetries: TLS session established[0m [0;32ml (30061) connectToServerWithBackoffRetries: Establishing an MQTT broker session (attempt: 1)[0m	Mon Nov 17 2025 15:09:02 GMT+0000 (Coordinated Universal Time)
87	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (26911) state_timer_cb: Meter Observer: Not in idle state (80000000), ESP32 free heap: 31756[0m	Mon Nov 17 2025 15:08:59 GMT+0000 (Coordinated Universal Time)
88	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (21391) pppos_new: PPP state changed event 263[0m [0;32ml (21391) pppos_new: PPP state changed event 265[0m [0;32ml (21431) pppos_new: IP event! 6[0m [0;32ml (21441) pppos_new: Modem Connect to PPP Server[0m [0;32ml (21441) pppos_new: IP : 100.160.154.124[0m [0;32ml (21441) esp-netif_lwip-ppp: Connected[0m [0;32ml (21451) pppos_new: Netmask : 255.255.255.255[0m [0;32ml (21451) pppos_new: Gateway : 10.0.0.1[0m [0;32ml (21461) pppos_new: Not get DNS Server1 ip info[0m [0;32ml (21481) pppos_new: Set DNS Name Server1 ret: 0[0m [0;32ml (21481) pppos_new: Not get DNS Server2 ip info[0m [0;32ml (21501) pppos_new: Set DNS Name Server2 ret: 0[0m [0;32ml (21501)	Mon Nov 17 2025 15:08:55 GMT+0000 (Coordinated Universal Time)

			pppos_new: Get Name Server1: 8.8.8.8[0;32ml (21501) pppos_new: Get Name Server2: 9.9.9.9[0;32ml (21521) pppos_new: wait bit 1[0;32ml (21531) pppos_new: PPP state changed event 0[0;32ml (21531) pppos_new: PPP state changed event 266[0;32ml (21531) uart_toP1_task: Received Data: 14 bytes[0;32ml (21531) uart_toP1_task: 0x5a 0xa5 0x5 0x0 0x4 0x1 0x35 0xe7 0xfb 0x5b 0x4c 0x53 0x1 0x0[0;32ml (21561) sendReply: Send Ack![0;32ml (21561)	
89	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (16911) state_timer_cb: Meter Observer: Not in idle state (80000000), ESP32 free heap: 70520[0;32ml (16911)	Mon Nov 17 2025 15:08:49 GMT+0000 (Coordinated Universal Time)
90	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (14961) pppos_new: get network status: type=0, stat=5[0;32ml (15011) pppos_new: PDP Context: AT+CGDCONT?[0;32ml (15041) pppos_new: Signal quality: rssi=31, ber=0[0;32ml (15091) pppos_new: esp_modem_get_attachment_detachmen=1[0;32ml (15131) pppos_new: Signal quality: rssi=31, ber=0[0;32ml (15171) pppos_new: Selected freq. band: 20[0;32ml (15171) pppos_new: Cell RSRP: -54 dB[0;32ml (15171) pppos_new: Cell RSRQ: -9 dB[0;32ml (15171) pppos_new: Cell RSSI: -45 dB[0;32ml (15191) pppos_new: Last Cell SINR: 6 dB[0;32ml (15191) pppos_new: Cell ID (hex) : 115E275[0;32ml (15211) pppos_new: Cell ID (decimal) : 18211445[0;32ml (15251) pppos_new: Operator name: 63902[0;32ml (15281) pppos_new: +CCLK: 2000/01/01,00:00:06GMT+8[0;32ml (15371) pppos_new: PPP state changed event 259[0;32ml (15371) pppos_new: PPP state changed event 262[0;32ml (15371)	Mon Nov 17 2025 15:08:48 GMT+0000 (Coordinated Universal Time)
91	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (13921) pppos_new: get network status: type=0, stat=2[0;32ml (13921) pppos_new: atc_many_attempts type: 18, cnt: 3[0;32ml (13921)	Mon Nov 17 2025 15:08:48 GMT+0000 (Coordinated Universal Time)
92	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (12901) pppos_new: get network status: type=0, stat=2[0;32ml (12901) pppos_new: atc_many_attempts type: 18, cnt: 2[0;32ml (12901)	Mon Nov 17 2025 15:08:47 GMT+0000 (Coordinated Universal Time)
93	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (11881) pppos_new: get network status: type=0, stat=2[0;32ml (11881) pppos_new: atc_many_attempts type: 18, cnt: 1[0;32ml (11911) state_timer_cb: Meter Observer: Not in idle state (80000000), ESP32 free heap: 70540[0;32ml (11911)	Mon Nov 17 2025 15:08:44 GMT+0000 (Coordinated Universal Time)
94	GAS_CONTROL-Client	Gas/ESP/data	[0;32ml (10821) pppos_new: atc_many_attempts type: 10, cnt: 1[0;32ml (10821)	Mon Nov 17 2025 15:08:43 GMT+0000 (Coordinated Universal Time)

				GMT+0000 (Coordinated Universal Time)
95	GAS_CONTROL- Client	Gas/ESP/data	<pre> [0;32ml (10041) pppos_new: SIM card inserted[0m [0;32ml (10061) pppos_new: atc get revision : BC66NBR01A11[0m [0;32ml (10081) pppos_new: IMSI=639014000359377[0m [0;32ml (10111) pppos_new: IMEI=864323053641412[0m [0;32ml (10141) pppos_new: atc get ICCID : 89254014000103593779[0m [0;32ml (10261) pppos_new: g_meterId : 23100013302[0m [0;32ml (10261) pppos_new: set_band 3,8,20[0m </pre>	Mon Nov 17 2025 15:08:42 GMT+0000 (Coordinated Universal Time)
96	GAS_CONTROL- Client	Gas/ESP/data	<pre> [0;32ml (8481) pppos_new: atc get module name : Quectel_BC66[0m </pre>	Mon Nov 17 2025 15:08:40 GMT+0000 (Coordinated Universal Time)
97	GAS_CONTROL- Client	Gas/ESP/data	<pre> [0;32ml (6911) state_timer_cb: Meter Observer: Not in idle state (80000000), ESP32 free heap: 70540[0m </pre>	Mon Nov 17 2025 15:08:39 GMT+0000 (Coordinated Universal Time)
98	GAS_CONTROL- Client	Gas/ESP/data	<pre> resetModem : reset modem ... </pre>	Mon Nov 17 2025 15:08:37 GMT+0000 (Coordinated Universal Time)
99	GAS_CONTROL- Client	Gas/ESP/data	<pre> : 22764.927734 CSRP_GAS_USED : Property type is not supported for print CSRP_CREDIT_USED : Property type is not supported for print CSRP_UNIT_PRICE : Property type is not supported for print CSRP_START_TIME : Property type is not supported for print CSRP_END_TIME : Property type is not supported for print CSRP_TIME_QUALITY : Property type is not supported for print CSRP_LAST_END_TIME : 978307517 CSRP_GAS_MIN_FLOW : 0.500000 PRICING_PROFILE_UPDATE_VERSION : Blob type print is unsupported PRICE_PROFILE_ID : profile_althi_river_wave_3 PRICE_PRODUCT_ID : product_althi_river_wave_3 UNIT_PRICE : 275.000000 CURRENCY : KES REMAINING_CREDIT : 55.446392 LAST_ADJUST_CREDIT_AMOUNT : Property type is not supported for print NEW_BUNDLE_PRICE_INFO : Blob type print is unsupported CUR_BUNDLE_PRICE_INFO : Blob type print is unsupported ACTIVE_BUNDLE_INFO : Blob type print is unsupported REMAINING_GAS : 11.994350 BUNDLE_ACTIVATION_TIME : Property type is not supported for print BUNDLE_DEACTIVATION_TIME : Property type is not supported for print BUNDLE_DURATION_LEFT : Property type is not supported for print BUNDLE_GAS_LEFT : Property type is not supported for print UNKNOWN_PROPERTY_ID (49) : Property type is not supported for print BUNDLE_EXPIRY_LEFT : Property type is not supported for print BUNDLE_ACTIVATION_CREDIT_USED : Property type is not supported for print </pre>	Mon Nov 17 2025 15:08:33 GMT+0000 (Coordinated Universal Time)

REPORTED_SYSTEM_STATUS : 1 CURRENT_SYSTEM_STATUS : 2
UNKNOWN_PROPERTY_ID (54) : Property type is not supported for print
CONSUMPTION_IN_LAST_COOKING_SESSION : Property type is not supported
for print NW_OPER_ID : Property type is not supported for print
RADIO_CELL_INFO : Property type is not supported for print
LOW_VOLTAGE_LOWER_THRESHOLD : Property type is not supported for print
LOW_VOLTAGE_UPPER_THRESHOLD : Property type is not supported for print
VOLTAGE_TOO_LOW_MV : Property type is not supported for print
LATEST_IDLE_VOLTAGE : 3443 NETWORK_INT_VOLTAGE_MV : 3425
NETWORK_CONNECTED_VOLTAGE_MV : 3416 AWS_CONNECT_VOLTAGE_MV :
3411 AWS_DISCONNECT_VOLTAGE_MV : 3411 METER_OPEN_SESSION : Property
type is not supported for print OPEN_BLE : Property type is not supported
for print OPEN_NBIOT : Property type is not supported for print
OPEN_NBIOT_AFTER_BLE : Property type is not supported for print
SUCCESSFUL_CLOUD_CONNECT : Property type is not supported for print
SUCCESSFUL_CLOUD_CONN_TIMESTAMP : 1763390892
COMMANDS_TOPIC_CONNECTED : 1 NO_NETWORK_COUNTER : 0 app_var_init
g_meterId : 23100013302 app_var_init g_warnLowBattery : 500 app_var_init
g_warnLowCreditBalance : 0.000000 app_var_init g_warnLowGasMass :
0.000000 app_var_init g_opValveCnt : 8 app_var_init g_mAhRemain : 7106
app_var_init g_openCloseLock : 0 app_var_init g_closeValve : 0 app_var_init
modemName : Quectel_BC66 app_var_init modemFwVersion : BC66NBR01A11
app_var_init modemIMEI : 864323053641412 app_var_init modemIMSI :
639014000359377 app_var_init g_stlccid.iccid_nu : 89254014000103593779
app_var_init g_displayDuration : 10 app_var_init g_densityChange : 2.545000
app_var_init g_cookMinsRemain : 60 app_var_init g_cookTimeout : 3
app_var_init g_meterStatus : 1 user_nvs_get_u32 nvs_get_u32 failed errNo =
4354! app_var_init get super cap capacity failed to be read! [0;32m (781)
mqtt_broker_data_handler_t: Starting [0m [0;32m (781) gpio: GPIO[5]||
InputEn: 0| OutputEn: 1| OpenDrain: 0| Pullup: 0| Pulldown: 1| Intr:0 [0m
[0;32m (791) gpio: GPIO[26]|| InputEn: 0| OutputEn: 1| OpenDrain: 0| Pullup: 0|
Pulldown: 1| Intr:0 [0m [0;32m (801) gpio: GPIO[27]|| InputEn: 0| OutputEn:
1| OpenDrain: 0| Pullup: 0| Pulldown: 1| Intr:0 [0m [0;32m (911) gpio:
GPIO[4]|| InputEn: 0| OutputEn: 1| OpenDrain: 0| Pullup: 0| Pulldown: 1| Intr:0
[0m [0;32m (911) gpio: GPIO[14]|| InputEn: 0| OutputEn: 1| OpenDrain: 0|
Pullup: 0| Pulldown: 1| Intr:0 [0m [0;32m (911) gpio: GPIO[13]|| InputEn: 1|
OutputEn: 0| OpenDrain: 0| Pullup: 0| Pulldown: 1| Intr:3 [0m [0;32m (921)
gpio: GPIO[18]|| InputEn: 0| OutputEn: 1| OpenDrain: 1| Pullup: 0| Pulldown: 0|
Intr:0 [0m In init stage this is not init as D Bord! [0;32m (941) initialize:
Flash list, c:0x75000, d:0x487000, size:524288 [0m [0;32m (941) initialize:
Event log initialized with level 1, has 117 events [0m [0;32m (951) pow_acc:
unix1763132506 uAh:0.000000 [0m [0;32m (961)
bat_monitor: calibration scheme version is Line Fitting [0m [0;32m (961)
bat_monitor: Calibration Success [0m [0;32m (971) gpio: GPIO[16]|| InputEn:
0| OutputEn: 1| OpenDrain: 0| Pullup: 0| Pulldown: 1| Intr:0 [0m [0;32m (981)
initialize: Flash list, c:0x76000, d:0x87000, size:819200 [0m [0;32m (981)
credit_report_handler_t: Registering wallclock_change_callback [0m
[0;32m (991) bundle_handler_t: Registering
wallclock_change_callback [0m [0;32m (1001) initialize: Flash list, c:0x5000,
d:0x6000, size:40960 [0m [0;32m (1001) bundle_status_report_handler_t:
Registering wallclock_change_callback [0m [0;32m (1011) initialize: Flash
list, c:0x10000, d:0x11000, size:40960 [0m [0;32m (1021)
cooking_session_report_handler_t: Registering
wallclock_change_callback [0m [0;32m (1031)
migrate_deprecated_storage_area: CSRP: Migration not necessary [0m
[0;32m (1031) app_manager_t: Migrated 0 cooking sessions to new

location[0m [0;32ml (1041) sleep_handler_task: Up and running!
[0;32ml (1041) ota_meta_data: ota state [NONE]
ota_meta_data: Device is not a compound image
system_monitor_t: Starting
>>[0m [0;33mW (1061) User core: Wake up from timer
(1081) uart: ESP_INTR_FLAG_IRAM flag not set while
CONFIG_UART_ISR_IN_IRAM is enabled, flag updated
uart: queue free spaces: 20 Recieved event 26
app_manager_t: WAKEUP_BY_TIMER[0m [0;32ml (1091) is_voltage_normal:
ESP ADC is not calibrated, query stm voltage To wakeupP1

100	GAS_CONTROL- Client	Gas/ESP/data [0;32ml (61911) is_allowed_to_exit: Allowed : no rules violated [0;32ml (61911) state_timer_cb: Meter Observer: sleep_handler_notify_exit[0m [0;32ml (61921) sleep_handler_task: Received notification value is 1[0m user_nvs_get_u8 nvs_get_u8 failed errNo = 4354! [0;32ml (61941) ./components/user/src/app/app_core.cpp: is_assembling Read NVS_KEY_ASSEMBLING failed. network_manager: Disconnecting from the network pppos_new: PPP state changed event 267[0m [0;32ml (61961) pppos_new: PPP state changed event 265[0m [0;32ml (61961) pppos_new: PPP state changed event 262[0m [0;32ml (61971) pppos_new: PPP state changed event 268[0m [0;32ml (61971) pppos_new: PPP state changed event 256[0m [0;32ml (61981) esp-netif_lwip-ppp: User interrupt (61991) pppos_new: PPP state changed event 5[0m [0;32ml (61991) pppos_new: User interrupted event from netif:0x3ffdfcf8 (62001) esp_modem_netif: PPP state changed event 5[0m run pppos_disc ret=0 pppos_power_down_modem : set cfun0 [0;32ml (62521) pppos_new: atc_many_attempts type: 1, cnt: 1[0m	Mon Nov 17 2025 14:48:29 GMT+0000 (Coordinated Universal Time)
-----	---------------------	---	--