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| https://espressif.github.io/esp-launchpad/?flashConfigURL=https://espressif.github.io/esp-matter/launchpad.toml | |
| **WIFI\_MATTER\_LIGHT + ESP32-C6** | **THREAD\_MATTER\_LIGHT + ESP32-C6** |
| esptool.js  Serial port WebSerial VendorID 0x303a ProductID 0x1001  Connecting...  Detecting chip type... ESP32-C6  Chip is ESP32-C6 (revision 0)  Features: Wi-Fi 6,BT 5,IEEE802.15.4  Crystal is 40MHz  MAC: 40:4c:ca:49:74:e0  Uploading stub...  Running stub...  Stub running...  Changing baudrate to 921600  Changed  Manufacturer: 0  Device: 00  Detected flash size: undefined  Warning: Image file at 0x0 doesn't look like an image file, so not changing any flash settings.  Compressed 1813200 bytes to 1039415...  Writing at 0x0... (1%)  Writing at 0x214aa... (3%)  Writing at 0x2eaa4... (4%)  Writing at 0x3c352... (6%)  Writing at 0x48150... (7%)  Writing at 0x50be5... (9%)  Writing at 0x55694... (10%)  Writing at 0x5c90f... (12%)  Writing at 0x63d8b... (14%)  Writing at 0x6a9b3... (15%)  Writing at 0x719cc... (17%)  Writing at 0x7745a... (18%)  Writing at 0x7f235... (20%)  Writing at 0x8543e... (21%)  Writing at 0x8b4f5... (23%)  Writing at 0x9154e... (25%)  Writing at 0x978bc... (26%)  Writing at 0x9d74e... (28%)  Writing at 0xa3e89... (29%)  Writing at 0xa9cdb... (31%)  Writing at 0xb1550... (32%)  Writing at 0xb79af... (34%)  Writing at 0xbd524... (35%)  Writing at 0xc3cd2... (37%)  Writing at 0xc9b22... (39%)  Writing at 0xcf66f... (40%)  Writing at 0xd5827... (42%)  Writing at 0xdbe68... (43%)  Writing at 0xe2396... (45%)  Writing at 0xe8601... (46%)  Writing at 0xee5fa... (48%)  Writing at 0xf4a1b... (50%)  Writing at 0xfaa04... (51%)  Writing at 0x100d1b... (53%)  Writing at 0x106fe6... (54%)  Writing at 0x10d2d2... (56%)  Writing at 0x11320c... (57%)  Writing at 0x1196d2... (59%)  Writing at 0x11fb2d... (60%)  Writing at 0x126542... (62%)  Writing at 0x12c885... (64%)  Writing at 0x132d65... (65%)  Writing at 0x138c54... (67%)  Writing at 0x13ec3c... (68%)  Writing at 0x1449c3... (70%)  Writing at 0x14b269... (71%)  Writing at 0x150b51... (73%)  Writing at 0x156c38... (75%)  Writing at 0x15c9af... (76%)  Writing at 0x162ad7... (78%)  Writing at 0x168c87... (79%)  Writing at 0x16eda5... (81%)  Writing at 0x175126... (82%)  Writing at 0x17af7f... (84%)  Writing at 0x180fbd... (85%)  Writing at 0x1867aa... (87%)  Writing at 0x18c330... (89%)  Writing at 0x19213e... (90%)  Writing at 0x197cf6... (92%)  Writing at 0x19e432... (93%)  Writing at 0x1a410b... (95%)  Writing at 0x1aa56d... (96%)  Writing at 0x1b01eb... (98%)  Writing at 0x1b5f03... (100%)  Wrote 1813200 bytes (1039415 compressed) at 0x0 in 11.83 seconds.  Leaving...  ESP-ROM:esp32c6-20220919  Build:Sep 19 2022  rst:0x15 (USB\_UART\_HPSYS),boot:0xc (SPI\_FAST\_FLASH\_BOOT)  Saved PC:0x40800832  SPIWP:0xee  mode:DIO, clock div:2  load:0x40875720,leESP-ROM:esp32c6-20220919  Build:Sep 19 2022  rst:0x15 (USB\_UART\_HPSYS),boot:0xc (SPI\_FAST\_FLASH\_BOOT)  Saved PC:0x400294ae  SPIWP:0xee  mode:DIO, clock div:2  load:0x40875720,len:0x18ec  load:0x4086c410,len:0xe60  load:0x4086e610,len:0x2f28  entry 0x4086c41a  I (23) boot: ESP-IDF c9763f6 2nd stage bootloader  I (23) boot: compile time Apr 11 2025 09:19:56  I (24) boot: chip revision: v0.0  I (26) boot: efuse block revision: v0.1  I (30) boot.esp32c6: SPI Speed : 80MHz  I (35) boot.esp32c6: SPI Mode : DIO  I (40) boot.esp32c6: SPI Flash Size : 4MB  I (44) boot: Enabling RNG early entropy source...  I (50) boot: Partition Table:  I (53) boot: ## Label Usage Type ST Offset Length  I (61) boot: 0 esp\_secure\_cert unknown 3f 06 0000d000 00002000  I (68) boot: 1 nvs WiFi data 01 02 00010000 0000c000  I (76) boot: 2 nvs\_keys NVS keys 01 04 0001c000 00001000  I (83) boot: 3 otadata OTA data 01 00 0001d000 00002000  I (91) boot: 4 phy\_init RF data 01 01 0001f000 00001000  I (98) boot: 5 ota\_0 OTA app 00 10 00020000 001e0000  I (106) boot: 6 ota\_1 OTA app 00 11 00200000 001e0000  I (113) boot: 7 fctry WiFi data 01 02 003e0000 00006000  I (121) boot: End of partition table  I (125) boot: No factory image, trying OTA 0  I (130) esp\_image: segment 0: paddr=00020020 vaddr=42140020 size=3fa24h (260644) map  I (188) esp\_image: segment 1: paddr=0005fa4c vaddr=40800000 size=005cch ( 1484) load  I (190) esp\_image: segment 2: paddr=00060020 vaddr=42000020 size=13aaech (1288940) map  I (440) esp\_image: segment 3: paddr=0019ab14 vaddr=408005cc size=1bed8h (114392) load  I (465) esp\_image: segment 4: paddr=001b69f4 vaddr=4081c4b0 size=040ach ( 16556) load  I (469) esp\_image: segment 5: paddr=001baaa8 vaddr=50000000 size=00004h ( 4) load  I (477) boot: Loaded app from partition at offset 0x20000  I (507) boot: Set actual ota\_seq=1 in otadata[0]  I (508) boot: Disabling RNG early entropy source...  I (518) cpu\_start: Unicore app  W (527) clk: esp\_perip\_clk\_init() has not been implemented yet  I (534) cpu\_start: Pro cpu start user code  I (534) cpu\_start: cpu freq: 160000000 Hz  I (534) cpu\_start: Application information:  I (537) cpu\_start: Project name: light  I (541) cpu\_start: App version: 1.0  I (546) cpu\_start: Compile time: Apr 11 2025 09:19:50  I (552) cpu\_start: ELF file SHA256: a99c820c5...  I (557) cpu\_start: ESP-IDF: c9763f6  I (562) cpu\_start: Min chip rev: v0.0  I (567) cpu\_start: Max chip rev: v0.99  I (572) cpu\_start: Chip rev: v0.0  I (577) heap\_init: Initializing. RAM available for dynamic allocation:  I (584) heap\_init: At 408339A0 len 00048C70 (291 KiB): RAM  I (590) heap\_init: At 4087C610 len 00002F54 (11 KiB): RAM  I (596) heap\_init: At 50000004 len 00003FE4 (15 KiB): RTCRAM  I (603) spi\_flash: detected chip: generic  I (607) spi\_flash: flash io: dio  W (611) spi\_flash: Detected size(16384k) larger than the size in the binary image header(4096k). Using the size in the binary image header.  W (625) rmt(legacy): legacy driver is deprecated, please migrate to `driver/rmt\_tx.h` and/or `driver/rmt\_rx.h`  I (636) sleep: Configure to isolate all GPIO pins in sleep state  I (642) sleep: Enable automatic switching of GPIO sleep configuration  I (649) coexist: coex firmware version: 27d8387  I (654) coexist: coexist rom version 5b8dcfa  I (659) main\_task: Started on CPU0  I (659) main\_task: Calling app\_main()  I (669) led\_driver\_ws2812: Initializing light driver  I (679) button: IoT Button Version: 3.5.0  I (679) gpio: GPIO[9]| InputEn: 1| OutputEn: 0| OpenDrain: 0| Pullup: 1| Pulldown: 0| Intr:0  I (689) app\_main: Light created with endpoint\_id 1  I (689) pp: pp rom version: 5b8dcfa  I (689) net80211: net80211 rom version: 5b8dcfa  I (709) wifi:wifi driver task: 4083ff58, prio:23, stack:6656, core=0  I (719) wifi:wifi firmware version: 82f54d2  I (719) wifi:wifi certification version: v7.0  I (719) wifi:config NVS flash: enabled  I (719) wifi:config nano formating: disabled  I (719) wifi:mac\_version:HAL\_MAC\_ESP32AX\_761,ut\_version:N  I (729) wifi:Init data frame dynamic rx buffer num: 32  I (729) wifi:Init static rx mgmt buffer num: 5  I (739) wifi:Init management short buffer num: 32  I (739) wifi:Init dynamic tx buffer num: 32  I (739) wifi:Init static tx FG buffer num: 2  I (749) wifi:Init static rx buffer size: 1700  I (749) wifi:Init static rx buffer num: 10  I (759) wifi:Init dynamic rx buffer num: 32  I (759) wifi\_init: rx ba win: 6  I (759) wifi\_init: tcpip mbox: 32  I (769) wifi\_init: udp mbox: 6  I (769) wifi\_init: tcp mbox: 6  I (769) wifi\_init: tcp tx win: 5760  I (779) wifi\_init: tcp rx win: 5760  I (779) wifi\_init: tcp mss: 1440  I (789) wifi\_init: WiFi IRAM OP enabled  I (789) wifi\_init: WiFi RX IRAM OP enabled  I (809) chip[DL]: NVS set: chip-counters/reboot-count = 1 (0x1)  I (809) chip[DL]: NVS set: chip-config/unique-id = "92C641B9E7A266E6"  I (809) chip[DL]: Real time clock set to 946684800 (0100/00/01 00:00:00 UTC)  I (819) BLE\_INIT: Using main XTAL as clock source  I (829) BLE\_INIT: ble controller commit:[7491a85]  I (829) BLE\_INIT: Bluetooth MAC: 40:4c:ca:49:74:e2  I (829) phy\_init: phy\_version 310,dde1ba9,Jun 4 2024,16:38:11  W (839) phy\_init: failed to load RF calibration data (0x1102), falling back to full calibration  W (889) phy\_init: saving new calibration data because of checksum failure, mode(2)  I (899) phy: libbtbb version: 04952fd, Jun 4 2024, 16:38:26  I (909) NimBLE: GAP procedure initiated: stop advertising.  I (909) NimBLE: Failed to restore IRKs from store; status=8  I (909) CHIP[DL]: BLE host-controller synced  I (1419) chip[DL]: Starting ESP WiFi layer  W (1419) wifi:ACK\_TAB0 :0x 90a0b, QAM16:0x9 (24Mbps), QPSK:0xa (12Mbps), BPSK:0xb (6Mbps)  W (1419) wifi:CTS\_TAB0 :0x 90a0b, QAM16:0x9 (24Mbps), QPSK:0xa (12Mbps), BPSK:0xb (6Mbps)  W (1429) wifi:(agc)0x600a7128:0xd21b79f0, min.avgNF:0xce->0xd2(dB), RCalCount:0x1b6, min.RRssi:0x9f0(-97.00)  W (1439) wifi:(TB)WDEV\_PWR\_TB\_MCS0:19  W (1439) wifi:(TB)WDEV\_PWR\_TB\_MCS1:19  W (1439) wifi:(TB)WDEV\_PWR\_TB\_MCS2:19  W (1449) wifi:(TB)WDEV\_PWR\_TB\_MCS3:19  W (1449) wifi:(TB)WDEV\_PWR\_TB\_MCS4:19  W (1449) wifi:(TB)WDEV\_PWR\_TB\_MCS5:19  W (1459) wifi:(TB)WDEV\_PWR\_TB\_MCS6:18  W (1459) wifi:(TB)WDEV\_PWR\_TB\_MCS7:18  W (1459) wifi:(TB)WDEV\_PWR\_TB\_MCS8:17  W (1469) wifi:(TB)WDEV\_PWR\_TB\_MCS9:15  W (1469) wifi:(TB)WDEV\_PWR\_TB\_MCS10:15  W (1469) wifi:(TB)WDEV\_PWR\_TB\_MCS11:15  I (1479) wifi:11ax coex: WDEVAX\_PTI0(0x55777555), WDEVAX\_PTI1(0x00003377).  I (1479) wifi:mode : sta (40:4c:ca:49:74:e0)  I (1489) wifi:enable tsf  I (1489) chip[DL]: Posting ESPSystemEvent: Wifi Event with eventId : 43  W (1499) wifi:Haven't to connect to a suitable AP now!  I (1499) chip[DL]: Done driving station state, nothing else to do...  W (1509) wifi:Haven't to connect to a suitable AP now!  I (1509) chip[DL]: Posting ESPSystemEvent: Wifi Event with eventId : 2  I (1519) chip[DL]: Done driving station state, nothing else to do...  I (1529) chip[SVR]: Initializing subscription resumption storage...  I (1539) chip[SVR]: Server initializing...  I (1539) chip[TS]: Last Known Good Time: [unknown]  I (1539) chip[TS]: Setting Last Known Good Time to firmware build time 2023-10-14T01:16:48  I (1549) chip[DMG]: AccessControl: initializing  I (1559) chip[DMG]: Examples::AccessControlDelegate::Init  I (1559) chip[DMG]: AccessControl: setting  I (1569) chip[DMG]: DefaultAclStorage: initializing  I (1569) chip[DMG]: DefaultAclStorage: 0 entries loaded  I (1579) chip[SVR]: WARNING: mTestEventTriggerDelegate is null  I (1589) chip[ZCL]: Using ZAP configuration...  I (1589) esp\_matter\_cluster: Cluster plugin init common callback  I (1599) chip[DMG]: AccessControlCluster: initializing  I (1609) chip[ZCL]: WRITE ERR: ep 0 clus 0x0000\_0030 attr 0x0000\_0000 not supported  I (1609) chip[ZCL]: Initiating Admin Commissioning cluster.  I (1619) chip[DIS]: Updating services using commissioning mode 1  I (1629) chip[DIS]: CHIP minimal mDNS started advertising.  I (1629) chip[DIS]: Advertise commission parameter vendorID=65521 productID=32768 discriminator=3840/15 cm=1 cp=0  I (1639) chip[DIS]: CHIP minimal mDNS configured as 'Commissionable node device'; instance name: 21FBA102AB73B90C.  I (1649) chip[DIS]: mDNS service published: \_matterc.\_udp  I (1659) chip[IN]: CASE Server enabling CASE session setups  I (1669) chip[SVR]: Joining Multicast groups  I (1669) chip[SVR]: Server Listening...  I (1679) esp\_matter\_core: Dynamic endpoint 0 added  I (1679) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000003's Attribute 0x00000001 is 1 \*\*\*\*\*\*\*\*\*\*  I (1689) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000004's Attribute 0x00000000 is 128 \*\*\*\*\*\*\*\*\*\*  I (1699) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000004's Attribute 0x0000FFFC is 1 \*\*\*\*\*\*\*\*\*\*  I (1719) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x0000FFFC is 1 \*\*\*\*\*\*\*\*\*\*  I (1729) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x00004003 is null \*\*\*\*\*\*\*\*\*\*  I (1739) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x00000000 is 1 \*\*\*\*\*\*\*\*\*\*  I (1749) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x00000000 is 1 \*\*\*\*\*\*\*\*\*\*  I (1759) chip[ZCL]: Endpoint 1 On/off already set to new value  I (1769) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x00000002 is 1 \*\*\*\*\*\*\*\*\*\*  I (1779) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x00000003 is 254 \*\*\*\*\*\*\*\*\*\*  I (1789) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x0000FFFC is 3 \*\*\*\*\*\*\*\*\*\*  I (1799) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x00000000 is 64 \*\*\*\*\*\*\*\*\*\*  I (1819) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x00004000 is 64 \*\*\*\*\*\*\*\*\*\*  I (1829) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x00000000 is 64 \*\*\*\*\*\*\*\*\*\*  I (1839) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000300's Attribute 0x00004010 is null \*\*\*\*\*\*\*\*\*\*  I (1849) esp\_matter\_core: Dynamic endpoint 1 added  I (1859) chip[DL]: WIFI\_EVENT\_STA\_START  W (1859) wifi:Haven't to connect to a suitable AP now!  I (1869) chip[DL]: Done driving station state, nothing else to do...  I (1869) chip[DL]: Configuring CHIPoBLE advertising (interval 25 ms, connectable)  I (1879) NimBLE: GAP procedure initiated: advertise;  I (1889) NimBLE: disc\_mode=2  I (1889) NimBLE: adv\_channel\_map=0 own\_addr\_type=1 adv\_filter\_policy=0 adv\_itvl\_min=40 adv\_itvl\_max=40  I (1899) NimBLE:  I (1909) chip[DL]: CHIPoBLE advertising started  I (1909) app\_main: Commissioning window opened  I (1919) esp\_matter\_core: Cannot find minimum unused endpoint\_id, try to find in the previous namespace  I (1919) esp\_matter\_core: Failed to open node namespace  I (1929) led\_driver\_ws2812: led set r:0, g:0, b:0  I (1939) led\_driver\_ws2812: led set r:0, g:0, b:0  I (1939) led\_driver\_ws2812: led set r:63, g:51, b:40  > I (2459) main\_task: Returned from app\_main()  I (18789) chip[DL]: BLE GAP connection established (con 0)  I (18799) chip[DL]: CHIPoBLE advertising stopped  I (19529) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (19529) chip[BLE]: local and remote recv window sizes = 5  I (19539) chip[BLE]: selected BTP version 4  I (19539) chip[BLE]: using BTP fragment sizes rx 244 / tx 244.  I (19649) chip[DL]: Write request/command received for CHIPoBLE TX CCCD characteristic (con 0 ) indicate = 1  I (19649) chip[DL]: CHIPoBLE subscribe received  I (19649) NimBLE: GATT procedure initiated: indicate;  I (19659) NimBLE: att\_handle=18  I (19749) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (19749) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (19759) chip[EM]: >>> [E:19401r S:0 M:147246109] (U) Msg RX from 0:0D607928D15E3E69 [0000] to 0000000000000000 --- Type 0000:20 (SecureChannel:PBKDFParamRequest) (B:98)  I (19779) chip[EM]: <<< [E:19401r S:0 M:57700028] (U) Msg TX from 0000000000000000 to 0:0D607928D15E3E69 [0000] [BLE] --- Type 0000:21 (SecureChannel:PBKDFParamResponse) (B:154)  I (19789) NimBLE: GATT procedure initiated: indicate;  I (19799) NimBLE: att\_handle=18  I (19799) chip[SVR]: Commissioning session establishment step started  I (19889) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (19889) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (19909) chip[EM]: >>> [E:19401r S:0 M:147246110] (U) Msg RX from 0:0D607928D15E3E69 [0000] to 0000000000000000 --- Type 0000:22 (SecureChannel:PASE\_Pake1) (B:92)  I (19979) chip[EM]: <<< [E:19401r S:0 M:57700029] (U) Msg TX from 0000000000000000 to 0:0D607928D15E3E69 [0000] [BLE] --- Type 0000:23 (SecureChannel:PASE\_Pake2) (B:127)  I (19989) NimBLE: GATT procedure initiated: indicate;  I (19989) NimBLE: att\_handle=18  I (20089) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (20089) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (20099) chip[EM]: >>> [E:19401r S:0 M:147246111] (U) Msg RX from 0:0D607928D15E3E69 [0000] to 0000000000000000 --- Type 0000:24 (SecureChannel:PASE\_Pake3) (B:59)  I (20119) chip[EM]: <<< [E:19401r S:0 M:57700030] (U) Msg TX from 0000000000000000 to 0:0D607928D15E3E69 [0000] [BLE] --- Type 0000:40 (SecureChannel:StatusReport) (B:30)  I (20129) NimBLE: GATT procedure initiated: indicate;  I (20139) NimBLE: att\_handle=18  I (20139) chip[SC]: SecureSession[0x40823970, LSID:2706]: State change 'kEstablishing' --> 'kActive'  I (20149) chip[SVR]: Commissioning completed session establishment step  I (20159) chip[DIS]: Updating services using commissioning mode 0  I (20159) chip[DIS]: CHIP minimal mDNS started advertising.  I (20179) chip[SVR]: Device completed Rendezvous process  I (20179) app\_main: Commissioning session started  I (20189) app\_main: Commissioning window closed  I (20229) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (20239) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (20249) chip[EM]: >>> [E:19402r S:2706 M:17199034] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (20259) chip[EM]: <<< [E:19402r S:2706 M:81931866] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:86)  I (20279) NimBLE: GATT procedure initiated: indicate;  I (20279) NimBLE: att\_handle=18  I (20379) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (20379) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (20399) chip[EM]: >>> [E:19403r S:2706 M:17199035] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:52)  I (20409) chip[EM]: <<< [E:19403r S:2706 M:81931867] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:67)  I (20419) NimBLE: GATT procedure initiated: indicate;  I (20419) NimBLE: att\_handle=18  I (20529) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (20529) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (20539) chip[EM]: >>> [E:19404r S:2706 M:17199036] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (20559) chip[EM]: <<< [E:19404r S:2706 M:81931868] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:67)  I (20569) NimBLE: GATT procedure initiated: indicate;  I (20569) NimBLE: att\_handle=18  I (20669) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (20719) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (20729) chip[EM]: >>> [E:19405r S:2706 M:17199037] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (20739) chip[EM]: <<< [E:19405r S:2706 M:81931869] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:67)  I (20749) NimBLE: GATT procedure initiated: indicate;  I (20759) NimBLE: att\_handle=18  I (20819) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (20819) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (20829) chip[EM]: >>> [E:19406r S:2706 M:17199038] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (20849) chip[EM]: <<< [E:19406r S:2706 M:81931870] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:66)  I (20859) NimBLE: GATT procedure initiated: indicate;  I (20859) NimBLE: att\_handle=18  I (20969) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (20969) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (20979) chip[EM]: >>> [E:19407r S:2706 M:17199039] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (20999) chip[EM]: <<< [E:19407r S:2706 M:81931871] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:66)  I (21009) NimBLE: GATT procedure initiated: indicate;  I (21009) NimBLE: att\_handle=18  I (21109) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (21109) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (21129) chip[EM]: >>> [E:19408r S:2706 M:17199040] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (21139) chip[EM]: <<< [E:19408r S:2706 M:81931872] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:66)  I (21149) NimBLE: GATT procedure initiated: indicate;  I (21149) NimBLE: att\_handle=18  I (21259) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (23739) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (24329) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (24329) chip[EM]: >>> [E:19409r S:2706 M:17199041] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:08 (IM:InvokeCommandRequest) (B:62)  I (24349) esp\_matter\_command: Received command 0x00000002 for endpoint 0x0000's cluster 0x0000003E  I (24359) chip[ZCL]: OpCreds: Certificate Chain request received for DAC  I (24369) chip[EM]: <<< [E:19409r S:2706 M:81931873] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:09 (IM:InvokeCommandResponse) (B:557)  I (24379) NimBLE: GATT procedure initiated: indicate;  I (24379) NimBLE: att\_handle=18  I (24479) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (24479) NimBLE: GATT procedure initiated: indicate;  I (24489) NimBLE: att\_handle=18  I (24569) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (24569) NimBLE: GATT procedure initiated: indicate;  I (24589) NimBLE: att\_handle=18  I (24669) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (24669) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (24689) chip[EM]: >>> [E:19410r S:2706 M:17199042] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (24699) chip[EM]: <<< [E:19410r S:2706 M:81931874] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:86)  I (24709) NimBLE: GATT procedure initiated: indicate;  I (24709) NimBLE: att\_handle=18  I (24819) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (24819) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (24829) chip[EM]: >>> [E:19411r S:2706 M:17199043] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:52)  I (24849) chip[EM]: <<< [E:19411r S:2706 M:81931875] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:67)  I (24859) NimBLE: GATT procedure initiated: indicate;  I (24859) NimBLE: att\_handle=18  I (24959) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (25379) app\_driver: Toggle button pressed  I (25379) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x00000000 is 1 \*\*\*\*\*\*\*\*\*\*  I (25399) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* W : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x00000000 is 0 \*\*\*\*\*\*\*\*\*\*  I (25409) led\_driver\_ws2812: led set r:0, g:0, b:0  I (27449) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (29949) NimBLE: GATT procedure initiated: indicate;  I (29949) NimBLE: att\_handle=18  I (30029) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (33539) chip[DL]: Write request/command received for CHIPoBLE TX CCCD characteristic (con 0 ) indicate = 0  I (33539) chip[DL]: CHIPoBLE unsubscribe received  I (33549) chip[DL]: BLE GAP connection terminated (con 0 reason 0x213)  I (33539) chip[BLE]: Releasing end point's BLE connection back to application.  I (33569) chip[DL]: Closing BLE GATT connection (con 0)  E (33579) chip[DL]: ble\_gap\_terminate() failed: Error CHIP:0x00000048  I (33579) esp\_matter\_core: BLE Disconnected  I (80179) chip[FS]: Fail-safe timer expired  E (80179) chip[SVR]: Failsafe timer expired  I (80179) chip[SC]: SecureSession[0x40823970, LSID:2706]: State change 'kActive' --> 'kPendingEviction'  E (80189) chip[SVR]: Commissioning failed (attempt 1): 32  I (80199) chip[DIS]: Updating services using commissioning mode 1  I (80199) chip[DIS]: CHIP minimal mDNS started advertising.  I (80209) chip[DIS]: Advertise commission parameter vendorID=65521 productID=32768 discriminator=3840/15 cm=1 cp=0  I (80219) chip[DIS]: CHIP minimal mDNS configured as 'Commissionable node device'; instance name: 21FBA102AB73B90C.  I (80229) chip[DIS]: mDNS service published: \_matterc.\_udp  E (80239) chip[ZCL]: OpCreds: Got FailSafeTimerExpired  E (80239) chip[ZCL]: OpCreds: Proceeding to FailSafeCleanup on fail-safe expiry!  I (80249) chip[TS]: Pending Last Known Good Time: 2023-10-14T01:16:48  I (80259) chip[TS]: Previous Last Known Good Time: 2023-10-14T01:16:48  I (80259) chip[TS]: Reverted Last Known Good Time to previous value  I (80269) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0000's Cluster 0x00000030's Attribute 0x00000000 is 0 \*\*\*\*\*\*\*\*\*\*  I (80279) app\_main: Commissioning failed, fail safe timer expired  I (80299) chip[FS]: Fail-safe cleanly disarmed  I (80299) chip[DL]: Configuring CHIPoBLE advertising (interval 25 ms, connectable)  I (80309) NimBLE: GAP procedure initiated: advertise;  I (80309) NimBLE: disc\_mode=2  I (80309) NimBLE: adv\_channel\_map=0 own\_addr\_type=1 adv\_filter\_policy=0 adv\_itvl\_min=40 adv\_itvl\_max=40  I (80319) NimBLE:  I (80329) chip[DL]: CHIPoBLE advertising started  I (80329) app\_main: Commissioning window opened  I (110199) chip[DL]: bleAdv Timeout : Start slow advertisement  I (110199) chip[DL]: Configuring CHIPoBLE advertising (interval 500 ms, connectable)  I (110209) chip[DL]: Device already advertising, stop active advertisement and restart  I (110209) NimBLE: GAP procedure initiated: stop advertising.  I (110219) NimBLE: GAP procedure initiated: advertise;  I (110229) NimBLE: disc\_mode=2  I (110239) NimBLE: adv\_channel\_map=0 own\_addr\_type=1 adv\_filter\_policy=0 adv\_itvl\_min=800 adv\_itvl\_max=800  I (110249) NimBLE: | esptool.js  Serial port WebSerial VendorID 0x303a ProductID 0x1001  Connecting...  Detecting chip type... ESP32-C6  Chip is ESP32-C6 (revision 0)  Features: Wi-Fi 6,BT 5,IEEE802.15.4  Crystal is 40MHz  MAC: 40:4c:ca:49:74:e0  Uploading stub...  Running stub...  Stub running...  Changing baudrate to 921600  Changed  Manufacturer: 0  Device: 00  Detected flash size: undefined  Warning: Image file at 0x0 doesn't look like an image file, so not changing any flash settings.  Compressed 1742592 bytes to 991337...  Writing at 0x0... (1%)  Writing at 0x214ac... (3%)  Writing at 0x2e8e8... (4%)  Writing at 0x3c442... (6%)  Writing at 0x49a96... (8%)  Writing at 0x529b0... (9%)  Writing at 0x57b17... (11%)  Writing at 0x5d509... (13%)  Writing at 0x63835... (14%)  Writing at 0x6a252... (16%)  Writing at 0x715aa... (18%)  Writing at 0x77031... (19%)  Writing at 0x7e7cc... (21%)  Writing at 0x84e16... (22%)  Writing at 0x8afa2... (24%)  Writing at 0x91016... (26%)  Writing at 0x972b8... (27%)  Writing at 0x9d09c... (29%)  Writing at 0xa39d2... (31%)  Writing at 0xa975a... (32%)  Writing at 0xb0ea6... (34%)  Writing at 0xb7366... (36%)  Writing at 0xbd060... (37%)  Writing at 0xc35d0... (39%)  Writing at 0xc92c9... (40%)  Writing at 0xceec5... (42%)  Writing at 0xd5318... (44%)  Writing at 0xdb77c... (45%)  Writing at 0xe209c... (47%)  Writing at 0xe7fca... (49%)  Writing at 0xee1b6... (50%)  Writing at 0xf45a0... (52%)  Writing at 0xfa62f... (54%)  Writing at 0x100b59... (55%)  Writing at 0x106d5a... (57%)  Writing at 0x10cd12... (59%)  Writing at 0x112dfc... (60%)  Writing at 0x119b47... (62%)  Writing at 0x1204b1... (63%)  Writing at 0x1267fa... (65%)  Writing at 0x12cb34... (67%)  Writing at 0x132c97... (68%)  Writing at 0x138d41... (70%)  Writing at 0x13f13c... (72%)  Writing at 0x1452af... (73%)  Writing at 0x14b098... (75%)  Writing at 0x150d0e... (77%)  Writing at 0x1568ea... (78%)  Writing at 0x15cbef... (80%)  Writing at 0x162cec... (81%)  Writing at 0x168dc4... (83%)  Writing at 0x16edb1... (85%)  Writing at 0x175559... (86%)  Writing at 0x17aed6... (88%)  Writing at 0x180b52... (90%)  Writing at 0x186edb... (91%)  Writing at 0x18cd33... (93%)  Writing at 0x1929b0... (95%)  Writing at 0x198c3d... (96%)  Writing at 0x19e9e6... (98%)  Writing at 0x1a50b6... (100%)  Wrote 1742592 bytes (991337 compressed) at 0x0 in 11.578 seconds.  Leaving...  ESP-ROM:esp32c6-20220919  Build:Sep 19 2022  rst:0x15 (USB\_UART\_HPSYS),boot:0xc (SPI\_FAST\_FLASH\_BOOT)  Saved PC:0x4080082e  SPIWP:0xee  mode:DIO, clock div:2  load:0x40875720,len:0x18ec  ESP-ROM:esp32c6-20220919  Build:Sep 19 2022  rst:0x15 (USB\_UART\_HPSYS),boot:0xc (SPI\_FAST\_FLASH\_BOOT)  Saved PC:0x4001b0be  SPIWP:0xee  mode:DIO, clock div:2  load:0x40875720,len:0x18ec  load:0x4086c410,len:0xe60  load:0x4086e610,len:0x2f28  entry 0x4086c41a  I (23) boot: ESP-IDF c9763f6 2nd stage bootloader  I (23) boot: compile time Apr 11 2025 09:20:02  I (24) boot: chip revision: v0.0  I (26) boot: efuse block revision: v0.1  I (30) boot.esp32c6: SPI Speed : 80MHz  I (35) boot.esp32c6: SPI Mode : DIO  I (40) boot.esp32c6: SPI Flash Size : 4MB  I (44) boot: Enabling RNG early entropy source...  I (50) boot: Partition Table:  I (53) boot: ## Label Usage Type ST Offset Length  I (61) boot: 0 esp\_secure\_cert unknown 3f 06 0000d000 00002000  I (68) boot: 1 nvs WiFi data 01 02 00010000 0000c000  I (76) boot: 2 nvs\_keys NVS keys 01 04 0001c000 00001000  I (83) boot: 3 otadata OTA data 01 00 0001d000 00002000  I (91) boot: 4 phy\_init RF data 01 01 0001f000 00001000  I (98) boot: 5 ota\_0 OTA app 00 10 00020000 001e0000  I (106) boot: 6 ota\_1 OTA app 00 11 00200000 001e0000  I (113) boot: 7 fctry WiFi data 01 02 003e0000 00006000  I (121) boot: End of partition table  I (125) boot: No factory image, trying OTA 0  I (130) esp\_image: segment 0: paddr=00020020 vaddr=42140020 size=3c9b8h (248248) map  I (186) esp\_image: segment 1: paddr=0005c9e0 vaddr=40800000 size=03638h ( 13880) load  I (190) esp\_image: segment 2: paddr=00060020 vaddr=42000020 size=13601ch (1269788) map  I (434) esp\_image: segment 3: paddr=00196044 vaddr=40803638 size=10994h ( 67988) load  I (449) esp\_image: segment 4: paddr=001a69e0 vaddr=40813fd0 size=02cech ( 11500) load  I (453) esp\_image: segment 5: paddr=001a96d4 vaddr=50000000 size=00004h ( 4) load  I (459) boot: Loaded app from partition at offset 0x20000  I (491) boot: Set actual ota\_seq=1 in otadata[0]  I (491) boot: Disabling RNG early entropy source...  I (502) cpu\_start: Unicore app  W (511) clk: esp\_perip\_clk\_init() has not been implemented yet  I (517) cpu\_start: Pro cpu start user code  I (517) cpu\_start: cpu freq: 160000000 Hz  I (518) cpu\_start: Application information:  I (520) cpu\_start: Project name: light  I (525) cpu\_start: App version: 1.0  I (530) cpu\_start: Compile time: Apr 11 2025 09:19:55  I (536) cpu\_start: ELF file SHA256: ee9e09a8f...  I (541) cpu\_start: ESP-IDF: c9763f6  I (546) cpu\_start: Min chip rev: v0.0  I (551) cpu\_start: Max chip rev: v0.99  I (556) cpu\_start: Chip rev: v0.0  I (560) heap\_init: Initializing. RAM available for dynamic allocation:  I (568) heap\_init: At 4082D3A0 len 0004F270 (316 KiB): RAM  I (574) heap\_init: At 4087C610 len 00002F54 (11 KiB): RAM  I (580) heap\_init: At 50000004 len 00003FE4 (15 KiB): RTCRAM  I (587) spi\_flash: detected chip: generic  I (591) spi\_flash: flash io: dio  W (595) spi\_flash: Detected size(16384k) larger than the size in the binary image header(4096k). Using the size in the binary image header.  W (608) rmt(legacy): legacy driver is deprecated, please migrate to `driver/rmt\_tx.h` and/or `driver/rmt\_rx.h`  I (619) sleep: Configure to isolate all GPIO pins in sleep state  I (625) sleep: Enable automatic switching of GPIO sleep configuration  I (632) coexist: coex firmware version: 27d8387  I (638) coexist: coexist rom version 5b8dcfa  I (643) main\_task: Started on CPU0  I (643) main\_task: Calling app\_main()  I (653) led\_driver\_ws2812: Initializing light driver  I (663) button: IoT Button Version: 3.5.0  I (663) gpio: GPIO[9]| InputEn: 1| OutputEn: 0| OpenDrain: 0| Pullup: 1| Pulldown: 0| Intr:0  I (673) app\_main: Light created with endpoint\_id 1  I (683) chip[DL]: NVS set: chip-counters/reboot-count = 1 (0x1)  I (693) chip[DL]: NVS set: chip-config/unique-id = "F30164ECFD433EE9"  I (693) chip[DL]: Real time clock set to 946684800 (0100/00/01 00:00:00 UTC)  I (693) BLE\_INIT: Using main XTAL as clock source  I (703) BLE\_INIT: ble controller commit:[7491a85]  I (703) BLE\_INIT: Bluetooth MAC: 40:4c:ca:49:74:e2  I (713) phy\_init: phy\_version 310,dde1ba9,Jun 4 2024,16:38:11  W (723) phy\_init: failed to load RF calibration data (0x1102), falling back to full calibration  W (763) phy\_init: saving new calibration data because of checksum failure, mode(2)  I (783) phy: libbtbb version: 04952fd, Jun 4 2024, 16:38:26  I (793) NimBLE: GAP procedure initiated: stop advertising.  I (793) NimBLE: Failed to restore IRKs from store; status=8  I (793) CHIP[DL]: BLE host-controller synced  I (1303) chip[SVR]: Initializing subscription resumption storage...  I (1303) chip[SVR]: Server initializing...  I (1303) chip[TS]: Last Known Good Time: [unknown]  I (1303) chip[TS]: Setting Last Known Good Time to firmware build time 2023-10-14T01:16:48  I (1313) chip[DMG]: AccessControl: initializing  I (1323) chip[DMG]: Examples::AccessControlDelegate::Init  I (1323) chip[DMG]: AccessControl: setting  I (1333) chip[DMG]: DefaultAclStorage: initializing  I (1333) chip[DMG]: DefaultAclStorage: 0 entries loaded  I (1343) chip[SVR]: WARNING: mTestEventTriggerDelegate is null  I (1353) chip[ZCL]: Using ZAP configuration...  I (1353) esp\_matter\_cluster: Cluster plugin init common callback  I (1363) chip[DMG]: AccessControlCluster: initializing  I (1363) chip[ZCL]: WRITE ERR: ep 0 clus 0x0000\_0030 attr 0x0000\_0000 not supported  I (1373) chip[ZCL]: Initiating Admin Commissioning cluster.  I (1383) chip[DIS]: Updating services using commissioning mode 1  E (1383) chip[DIS]: Failed to initialize advertiser: d8  E (1393) chip[DIS]: Failed to remove advertised services: 3  E (1403) chip[DIS]: Failed to get primary mac address of device. Generating a random one.  I (1403) chip[DIS]: Advertise commission parameter vendorID=65521 productID=32768 discriminator=3840/15 cm=1 cp=0  E (1423) chip[DIS]: Failed to advertise commissionable node: 3  E (1423) chip[DIS]: Failed to finalize service update: 3  I (1433) chip[IN]: CASE Server enabling CASE session setups  I (1433) chip[SVR]: Joining Multicast groups  I (1443) chip[SVR]: Server Listening...  I (1443) OPENTHREAD: Host connection mode none  I (1463) OPENTHREAD: OpenThread attached to netif  I (1463) chip[DL]: OpenThread started: OK  I (1463) chip[DL]: Setting OpenThread device type to ROUTER  I (1473) esp\_matter\_core: Dynamic endpoint 0 added  I (1473) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000003's Attribute 0x00000001 is 1 \*\*\*\*\*\*\*\*\*\*  I (1483) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000004's Attribute 0x00000000 is 128 \*\*\*\*\*\*\*\*\*\*  I (1493) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000004's Attribute 0x0000FFFC is 1 \*\*\*\*\*\*\*\*\*\*  I (1513) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x0000FFFC is 1 \*\*\*\*\*\*\*\*\*\*  I (1523) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x00004003 is null \*\*\*\*\*\*\*\*\*\*  I (1533) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x00000000 is 1 \*\*\*\*\*\*\*\*\*\*  I (1543) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x00000000 is 1 \*\*\*\*\*\*\*\*\*\*  I (1553) chip[ZCL]: Endpoint 1 On/off already set to new value  I (1563) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x00000002 is 1 \*\*\*\*\*\*\*\*\*\*  I (1573) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x00000003 is 254 \*\*\*\*\*\*\*\*\*\*  I (1583) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x0000FFFC is 3 \*\*\*\*\*\*\*\*\*\*  I (1593) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x00000000 is 64 \*\*\*\*\*\*\*\*\*\*  I (1613) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x00004000 is 64 \*\*\*\*\*\*\*\*\*\*  I (1623) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000008's Attribute 0x00000000 is 64 \*\*\*\*\*\*\*\*\*\*  I (1633) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000300's Attribute 0x00004010 is null \*\*\*\*\*\*\*\*\*\*  I (1643) esp\_matter\_core: Dynamic endpoint 1 added  I (1653) esp\_matter\_core: Cannot find minimum unused endpoint\_id, try to find in the previous namespace  I (1663) esp\_matter\_core: Failed to open node namespace  I (1663) led\_driver\_ws2812: led set r:0, g:0, b:0  I (1663) chip[DL]: Configuring CHIPoBLE advertising (interval 25 ms, connectable)  I (1683) NimBLE: GAP procedure initiated: advertise;  I (1683) NimBLE: disc\_mode=2  I (1693) NimBLE: adv\_channel\_map=0 own\_addr\_type=1 adv\_filter\_policy=0 adv\_itvl\_min=40 adv\_itvl\_max=40  I (1703) NimBLE:  I (1683) led\_driver\_ws2812: led set r:0, g:0, b:0  I (1703) chip[DL]: CHIPoBLE advertising started  I (1713) app\_main: Commissioning window opened  I (1713) led\_driver\_ws2812: led set r:63, g:51, b:40  > I (2233) main\_task: Returned from app\_main()  I (22473) chip[DL]: BLE GAP connection established (con 0)  I (22473) chip[DL]: CHIPoBLE advertising stopped  I (23353) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (23353) chip[BLE]: local and remote recv window sizes = 5  I (23363) chip[BLE]: selected BTP version 4  I (23363) chip[BLE]: using BTP fragment sizes rx 244 / tx 244.  I (23453) chip[DL]: Write request/command received for CHIPoBLE TX CCCD characteristic (con 0 ) indicate = 1  I (23453) chip[DL]: CHIPoBLE subscribe received  I (23453) NimBLE: GATT procedure initiated: indicate;  I (23463) NimBLE: att\_handle=18  I (23553) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (23553) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (23563) chip[EM]: >>> [E:19412r S:0 M:147246112] (U) Msg RX from 0:A5C5372471E61265 [0000] to 0000000000000000 --- Type 0000:20 (SecureChannel:PBKDFParamRequest) (B:98)  I (23573) chip[EM]: <<< [E:19412r S:0 M:94433300] (U) Msg TX from 0000000000000000 to 0:A5C5372471E61265 [0000] [BLE] --- Type 0000:21 (SecureChannel:PBKDFParamResponse) (B:154)  I (23593) NimBLE: GATT procedure initiated: indicate;  I (23603) NimBLE: att\_handle=18  I (23603) chip[SVR]: Commissioning session establishment step started  I (23693) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (23693) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (23713) chip[EM]: >>> [E:19412r S:0 M:147246113] (U) Msg RX from 0:A5C5372471E61265 [0000] to 0000000000000000 --- Type 0000:22 (SecureChannel:PASE\_Pake1) (B:92)  I (23783) chip[EM]: <<< [E:19412r S:0 M:94433301] (U) Msg TX from 0000000000000000 to 0:A5C5372471E61265 [0000] [BLE] --- Type 0000:23 (SecureChannel:PASE\_Pake2) (B:127)  I (23793) NimBLE: GATT procedure initiated: indicate;  I (23793) NimBLE: att\_handle=18  I (23893) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (23893) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (23903) chip[EM]: >>> [E:19412r S:0 M:147246114] (U) Msg RX from 0:A5C5372471E61265 [0000] to 0000000000000000 --- Type 0000:24 (SecureChannel:PASE\_Pake3) (B:59)  I (23913) chip[EM]: <<< [E:19412r S:0 M:94433302] (U) Msg TX from 0000000000000000 to 0:A5C5372471E61265 [0000] [BLE] --- Type 0000:40 (SecureChannel:StatusReport) (B:30)  I (23933) NimBLE: GATT procedure initiated: indicate;  I (23943) NimBLE: att\_handle=18  I (23943) chip[SC]: SecureSession[0x4081a098, LSID:33022]: State change 'kEstablishing' --> 'kActive'  I (23953) chip[SVR]: Commissioning completed session establishment step  I (23963) chip[DIS]: Updating services using commissioning mode 0  E (23963) chip[DIS]: Failed to remove advertised services: 3  I (23973) chip[DIS]: Advertise commission parameter vendorID=65521 productID=32768 discriminator=3840/15 cm=0 cp=0  E (23993) chip[DIS]: Failed to advertise extended commissionable node: 3  E (23993) chip[DIS]: Failed to finalize service update: 3  I (24003) chip[SVR]: Device completed Rendezvous process  I (24003) app\_main: Commissioning session started  I (24013) app\_main: Commissioning window closed  I (24033) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (24083) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (24083) chip[EM]: >>> [E:19413r S:33022 M:252021767] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (24103) chip[EM]: <<< [E:19413r S:33022 M:266782269] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:86)  I (24113) NimBLE: GATT procedure initiated: indicate;  I (24123) NimBLE: att\_handle=18  I (24183) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (24183) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (24193) chip[EM]: >>> [E:19414r S:33022 M:252021768] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:52)  I (24213) chip[EM]: <<< [E:19414r S:33022 M:266782270] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:67)  I (24223) NimBLE: GATT procedure initiated: indicate;  I (24233) NimBLE: att\_handle=18  I (24333) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (24333) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (24343) chip[EM]: >>> [E:19415r S:33022 M:252021769] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (24353) chip[EM]: <<< [E:19415r S:33022 M:266782271] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:67)  I (24373) NimBLE: GATT procedure initiated: indicate;  I (24383) NimBLE: att\_handle=18  I (24473) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (24473) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (24493) chip[EM]: >>> [E:19416r S:33022 M:252021770] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (24503) chip[EM]: <<< [E:19416r S:33022 M:266782272] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:67)  I (24513) NimBLE: GATT procedure initiated: indicate;  I (24523) NimBLE: att\_handle=18  I (24623) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (24623) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (24633) chip[EM]: >>> [E:19417r S:33022 M:252021771] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (24653) chip[EM]: <<< [E:19417r S:33022 M:266782273] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:66)  I (24663) NimBLE: GATT procedure initiated: indicate;  I (24673) NimBLE: att\_handle=18  I (24763) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (24773) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (24783) chip[EM]: >>> [E:19418r S:33022 M:252021772] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (24793) chip[EM]: <<< [E:19418r S:33022 M:266782274] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:66)  I (24813) NimBLE: GATT procedure initiated: indicate;  I (24823) NimBLE: att\_handle=18  I (24913) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (24913) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (24923) chip[EM]: >>> [E:19419r S:33022 M:252021773] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (24943) chip[EM]: <<< [E:19419r S:33022 M:266782275] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:66)  I (24953) NimBLE: GATT procedure initiated: indicate;  I (24963) NimBLE: att\_handle=18  I (25063) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (27543) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (28223) app\_driver: Toggle button pressed  I (28223) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x00000000 is 1 \*\*\*\*\*\*\*\*\*\*  I (28243) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* W : Endpoint 0x0001's Cluster 0x00000006's Attribute 0x00000000 is 0 \*\*\*\*\*\*\*\*\*\*  I (28253) led\_driver\_ws2812: led set r:0, g:0, b:0  I (30043) NimBLE: GATT procedure initiated: indicate;  I (30043) NimBLE: att\_handle=18  I (30133) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (32613) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (33153) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (33153) chip[EM]: >>> [E:19420r S:33022 M:252021774] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:08 (IM:InvokeCommandRequest) (B:62)  I (33173) esp\_matter\_command: Received command 0x00000002 for endpoint 0x0000's cluster 0x0000003E  I (33183) chip[ZCL]: OpCreds: Certificate Chain request received for DAC  I (33193) chip[EM]: <<< [E:19420r S:33022 M:266782276] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:09 (IM:InvokeCommandResponse) (B:557)  I (33203) NimBLE: GATT procedure initiated: indicate;  I (33203) NimBLE: att\_handle=18  I (33303) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (33303) NimBLE: GATT procedure initiated: indicate;  I (33313) NimBLE: att\_handle=18  I (33393) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (33393) NimBLE: GATT procedure initiated: indicate;  I (33403) NimBLE: att\_handle=18  I (33493) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (33493) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (33503) chip[EM]: >>> [E:19421r S:33022 M:252021775] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:51)  I (33523) chip[EM]: <<< [E:19421r S:33022 M:266782277] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:86)  I (33533) NimBLE: GATT procedure initiated: indicate;  I (33543) NimBLE: att\_handle=18  I (33643) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (33643) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (33653) chip[EM]: >>> [E:19422r S:33022 M:252021776] (S) Msg RX from 0:FFFFFFFB00000000 [0000] to 0000000000000000 --- Type 0001:02 (IM:ReadRequest) (B:52)  I (33673) chip[EM]: <<< [E:19422r S:33022 M:266782278] (S) Msg TX from 0000000000000000 to 0:FFFFFFFB00000000 [0000] [BLE] --- Type 0001:05 (IM:ReportData) (B:67)  I (33683) NimBLE: GATT procedure initiated: indicate;  I (33693) NimBLE: att\_handle=18  I (33783) chip[DL]: Confirm received for CHIPoBLE TX characteristic indication (con 0) status= 14  I (36273) CHIP[DL]: Write request received for CHIPoBLE RX characteristic con 0 16  I (37683) chip[DL]: Write request/command received for CHIPoBLE TX CCCD characteristic (con 0 ) indicate = 0  I (37683) chip[DL]: CHIPoBLE unsubscribe received  I (37693) chip[DL]: BLE GAP connection terminated (con 0 reason 0x213)  I (37683) chip[BLE]: Releasing end point's BLE connection back to application.  I (37713) chip[DL]: Closing BLE GATT connection (con 0)  E (37723) chip[DL]: ble\_gap\_terminate() failed: Error CHIP:0x00000048  I (37723) esp\_matter\_core: BLE Disconnected  I (84003) chip[FS]: Fail-safe timer expired  E (84003) chip[SVR]: Failsafe timer expired  I (84003) chip[SC]: SecureSession[0x4081a098, LSID:33022]: State change 'kActive' --> 'kPendingEviction'  E (84013) chip[SVR]: Commissioning failed (attempt 1): 32  I (84023) chip[DIS]: Updating services using commissioning mode 1  E (84023) chip[DIS]: Failed to remove advertised services: 3  I (84033) chip[DIS]: Advertise commission parameter vendorID=65521 productID=32768 discriminator=3840/15 cm=1 cp=0  E (84053) chip[DIS]: Failed to advertise commissionable node: 3  E (84053) chip[DIS]: Failed to finalize service update: 3  E (84063) chip[ZCL]: OpCreds: Got FailSafeTimerExpired  E (84063) chip[ZCL]: OpCreds: Proceeding to FailSafeCleanup on fail-safe expiry!  I (84073) chip[TS]: Pending Last Known Good Time: 2023-10-14T01:16:48  I (84073) chip[TS]: Previous Last Known Good Time: 2023-10-14T01:16:48  I (84083) chip[TS]: Reverted Last Known Good Time to previous value  I (84093) esp\_matter\_attribute: \*\*\*\*\*\*\*\*\*\* R : Endpoint 0x0000's Cluster 0x00000030's Attribute 0x00000000 is 0 \*\*\*\*\*\*\*\*\*\*  I (84103) app\_main: Commissioning failed, fail safe timer expired  I (84113) chip[FS]: Fail-safe cleanly disarmed  I (84123) chip[DL]: Configuring CHIPoBLE advertising (interval 25 ms, connectable)  I (84123) NimBLE: GAP procedure initiated: advertise;  I (84133) NimBLE: disc\_mode=2  I (84133) NimBLE: adv\_channel\_map=0 own\_addr\_type=1 adv\_filter\_policy=0 adv\_itvl\_min=40 adv\_itvl\_max=40  I (84143) NimBLE:  I (84143) chip[DL]: CHIPoBLE advertising started  I (84153) app\_main: Commissioning window opened  I (114023) chip[DL]: bleAdv Timeout : Start slow advertisement  I (114023) chip[DL]: Configuring CHIPoBLE advertising (interval 500 ms, connectable)  I (114033) chip[DL]: Device already advertising, stop active advertisement and restart  I (114043) NimBLE: GAP procedure initiated: stop advertising.  I (114053) NimBLE: GAP procedure initiated: advertise;  I (114053) NimBLE: disc\_mode=2  I (114063) NimBLE: adv\_channel\_map=0 own\_addr\_type=1 adv\_filter\_policy=0 adv\_itvl\_min=800 adv\_itvl\_max=800  I (114073) NimBLE: |