```
(Top) → Component config → ESP System Settings
                                                        Espressif IoT Development Framework Configuration
   Panic handler behaviour (Print registers and reboot)
[*] Enable RTC fast memory for dynamic allocations
   Memory protection
(32) System event queue size
(2048) Event loop task stack size
(4096) Main task stack size
   Main task core affinity (CPU0) --->
(2048) Minimal allowed size for shared stack
    Channel for console output (Default: UARTO)
    Channel for console secondary output (USB_SERIAL_JTAG PORT)
[*] Interrupt watchdog
(1000) Interrupt watchdog timeout (ms)
       Also watch CPU1 tick interrupt
[*] Initialize Task Watchdog Timer on startup
[*]
        Invoke panic handler on Task Watchdog timeout
(60)
        Task Watchdog timeout period (seconds)
        Watch CPU0 Idle Task
       Watch CPU1 Idle Task
Place panic handler code in IRAM
[ ] OpenOCD debug stubs
   Interrupt level to use for Interrupt Watchdog and other system checks (Level 4 interrupt) --->
[*] Re-calibration BBPLL at startup
                                                        Espressif IoT Development Framework Configuration
```

```
(Top) → Component config → Wi-Fi
(16) Max number of WiFi static RX buffers
(64) Max number of WiFi dynamic RX buffers
    Type of WiFi TX buffers (Static)
(16) Max number of WiFi static TX buffers
(32) Max number of WiFi cache TX buffers
    Type of WiFi RX MGMT buffers (Static)
(5) Max number of WiFi RX MGMT buffers
[*] WiFi CSI(Channel State Information)
[*] WiFi AMPDU TX
(16)
       WiFi AMPDU TX BA window size
    ₩iFi AMPDU RX
(32)
       WiFi AMPDU RX BA window size
WiFi AMSDU TX
[*] WiFi NVS flash
    WiFi Task Core ID (Core 0)
(752) Max length of WiFi SoftAP Beacon
(32) WiFi mgmt short buffer number
[*] WiFi IRAM speed optimization
[*] WiFi RX IRAM speed optimization
[*] Enable WPA3-Personal
[*] WiFi SLP IRAM speed optimization
(50)
        Minimum active time
(10)
        Maximum keep alive time
[*] WiFi FTM
        FTM Initiator support
        FTM Responder support
[ ]
    Power Management for station at disconnected
    WiFi GCMP Support(GCMP128 and GCMP256)
  ] WiFi GMAC Support(GMAC128 and GMAC256)
[*] WiFi SoftAP Support
```

```
(Top) → Component config → LWIP → TCP
                                                           Espressif IoT Development Framework Configuration
(512) Maximum active TCP Connections
(512) Maximum listening TCP Connections
[*] TCP high speed retransmissions
(12) Maximum number of retransmissions of data segments
(12) Maximum number of retransmissions of SYN segments
(1460) Maximum Segment Size (MSS)
(50) TCP timer interval(ms)
<u>(60000)</u> Maximum segment lifetime (MSL)
(20000) Maximum FIN segment lifetime
(8182) Default send buffer size
(32768) Default receive window size
(32) Default TCP receive mail box size
[*] Queue incoming out-of-order segments
        Timeout for each pbuf queued in TCP OOSEQ, in RTOs.
(6)
        The maximum number of pbufs queued on OOSEQ per pcb
(O)
    Support sending selective acknowledgements
[*] Keep TCP connections when IP changed
    Pre-allocate transmit PBUF size (MSS)
[*] Support TCP window scale
       Set TCP receiving window scaling factor
(1500) Default TCP rto time
The maximum number of simultaneously active TCP connections. The practical maximum limit is determined by available
```

by itself does not substantially change the memory usage of LWIP, except for preventing new TCP connections after t

```
(Top) → Component config → LWIP
                                                           Espressif IoT Development Framework Configuration
[*] Enable LWIP ARP trust
[*] Send gratuitous ARP periodically
      GARP timer interval(seconds)
[*] Send mldv6 report periodically
       mldv6 report timer interval(seconds)
(128) TCPIP task receive mail box size
[ ] DHCP: Perform ARP check on any offered address
[ ] DHCP: Disable Use of HW address as client identification [*] DHCP: Disable Use of vendor class identification
[*] DHCP: Restore last IP obtained from DHCP server
(128) DHCP total option length
DHCP coarse timer interval(s)
    DHCP server --->
[ ] Enable IPV4 Link-Local Addressing (AUTOIP) ----
[*] Enable IPv6
        Enable IPV6 stateless address autoconfiguration (SLAAC)
(3)
        Number of IPv6 addresses on each network interface
        Enable IPv6 forwarding between interfaces
(0) Use IPv6 Router Advertisement Recursive DNS Server Option
[ ] Enable DHCPv6 stateless address autoconfiguration
  ] Enable status callback for network interfaces
[*] Support per-interface loopback
    TCP --->
   UDP --->
    Checksums
3072 TCP/IP Task Stack Size
    TCP/IP task affinity (CPU0)
 ] Enable PPP support (new/experimental) ----
```