



i.MX8M Plus Boot Mode				Boot Modes
BOOT_MODE3	BOOT_MODE2	BOOT_MODE1	BOOT_MODE0	
0	0	0	0	Boot From Internal Fuses
0	0	0	1	USB Serial Download
0	0	1	0	USDHC3 (eMMC boot only, SD3 8-bit)
0	0	1	1	USDHC2 (SD boot only, SD2) --> Default
0	1	0	0	NAND 8-bit single device 256 page
0	1	0	1	NAND 8-bit single device 512 page
0	1	1	0	QSPI 3B Read
0	1	1	1	QSPI Hyperflash 3.3V
1	0	0	0	ecSPI Boot
1	0	0	1	Reserved
1	0	1	0	Reserved
1	0	1	1	Reserved
1	1	0	0	Reserved
1	1	0	1	Reserved
1	1	1	0	Reserved
1	1	1	1	Reserved

[illegible]

Gigabit Ethernet

The schematic diagram illustrates the Gigabit Ethernet section of the IMX8MP-PLUS-SOM-EVB board. Key components and connections include:

- U4 Ethernet Controller:** A central component with multiple ports and internal logic. It is connected to various PHYs and has multiple control lines.
- PHYs (Physical Layer Devices):**
 - KSZ9031RNX-TR:** A 10/100/1000 Mbps Ethernet PHY connected to U4 via a 1x/R0402 resistor.
 - TH211Q0IFM2:** A 10/100/1000 Mbps Ethernet PHY connected to U4 via a 1x/R0402 resistor.
- Control and Status Signals:**
 - PWR_FLAG:** Power status indicator.
 - LEDs:** Various LEDs (e.g., LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12, LED13, LED14, LED15, LED16, LED17, LED18, LED19, LED20, LED21, LED22, LED23, LED24, LED25, LED26, LED27, LED28, LED29, LED30, LED31, LED32, LED33, LED34, LED35, LED36, LED37, LED38, LED39, LED40, LED41, LED42, LED43, LED44, LED45, LED46, LED47, LED48, LED49, LED50, LED51, LED52, LED53, LED54, LED55, LED56, LED57, LED58, LED59, LED60, LED61, LED62, LED63, LED64, LED65, LED66, LED67, LED68, LED69, LED70, LED71, LED72, LED73, LED74, LED75, LED76, LED77, LED78, LED79, LED80, LED81, LED82, LED83, LED84, LED85, LED86, LED87, LED88, LED89, LED90, LED91, LED92, LED93, LED94, LED95, LED96, LED97, LED98, LED99, LED100, LED101, LED102, LED103, LED104, LED105, LED106, LED107, LED108, LED109, LED110, LED111, LED112, LED113, LED114, LED115, LED116, LED117, LED118, LED119, LED120, LED121, LED122, LED123, LED124, LED125, LED126, LED127, LED128, LED129, LED130, LED131, LED132, LED133, LED134, LED135, LED136, LED137, LED138, LED139, LED140, LED141, LED142, LED143, LED144, LED145, LED146, LED147, LED148, LED149, LED150, LED151, LED152, LED153, LED154, LED155, LED156, LED157, LED158, LED159, LED160, LED161, LED162, LED163, LED164, LED165, LED166, LED167, LED168, LED169, LED170, LED171, LED172, LED173, LED174, LED175, LED176, LED177, LED178, LED179, LED180, LED181, LED182, LED183, LED184, LED185, LED186, LED187, LED188, LED189, LED190, LED191, LED192, LED193, LED194, LED195, LED196, LED197, LED198, LED199, LED200, LED201, LED202, LED203, LED204, LED205, LED206, LED207, LED208, LED209, LED210, LED211, LED212, LED213, LED214, LED215, LED216, LED217, LED218, LED219, LED220, LED221, LED222, LED223, LED224, LED225, LED226, LED227, LED228, LED229, LED230, LED231, LED232, LED233, LED234, LED235, LED236, LED237, LED238, LED239, LED240, LED241, LED242, LED243, LED244, LED245, LED246, LED247, LED248, LED249, LED250, LED251, LED252, LED253, LED254, LED255, LED256, LED257, LED258, LED259, LED260, LED261, LED262, LED263, LED264, LED265, LED266, LED267, LED268, LED269, LED270, LED271, LED272, LED273, LED274, LED275, LED276, LED277, LED278, LED279, LED280, LED281, LED282, LED283, LED284, LED285, LED286, LED287, LED288, LED289, LED290, LED291, LED292, LED293, LED294, LED295, LED296, LED297, LED298, LED299, LED300, LED301, LED302, LED303, LED304, LED305, LED306, LED307, LED308, LED309, LED310, LED311, LED312, LED313, LED314, LED315, LED316, LED317, LED318, LED319, LED320, LED321, LED322, LED323, LED324, LED325, LED326, LED327, LED328, LED329, LED330, LED331, LED332, LED333, LED334, LED335, LED336, LED337, LED338, LED339, LED340, LED341, LED342, LED343, LED344, LED345, LED346, LED347, LED348, LED349, LED350, LED351, LED352, LED353, LED354, LED355, LED356, LED357, LED358, LED359, LED360, LED361, LED362, LED363, LED364, LED365, LED366, LED367, LED368, LED369, LED370, LED371, LED372, LED373, LED374, LED375, LED376, LED377, LED378, LED379, LED380, LED381, LED382, LED383, LED384, LED385, LED386, LED387, LED388, LED389, LED390, LED391, LED392, LED393, LED394, LED395, LED396, LED397, LED398, LED399, LED400, LED401, LED402, LED403, LED404, LED405, LED406, LED407, LED408, LED409, LED410, LED411, LED412, LED413, LED414, LED415, LED416, LED417, LED418, LED419, LED420, LED421, LED422, LED423, LED424, LED425, LED426, LED427, LED428, LED429, LED430, LED431, LED432, LED433, LED434, LED435, LED436, LED437, LED438, LED439, LED440, LED441, LED442, LED443, LED444, LED445, LED446, LED447, LED448, LED449, LED450, LED451, LED452, LED453, LED454, LED455, LED456, LED457, LED458, LED459, LED460, LED461, LED462, LED463, LED464, LED465, LED466, LED467, LED468, LED469, LED470, LED471, LED472, LED473, LED474, LED475, LED476, LED477, LED478, LED479, LED480, LED481, LED482, LED483, LED484, LED485, LED486, LED487, LED488, LED489, LED490, LED491, LED492, LED493, LED494, LED495, LED496, LED497, LED498, LED499, LED500, LED501, LED502, LED503, LED504, LED505, LED506, LED507, LED508, LED509, LED510, LED511, LED512, LED513, LED514, LED515, LED516, LED517, LED518, LED519, LED520, LED521, LED522, LED523, LED524, LED525, LED526, LED527, LED528, LED529, LED530, LED531, LED532, LED533, LED534, LED535, LED536, LED537, LED538, LED539, LED540, LED541, LED542, LED543, LED544, LED545, LED546, LED547, LED548, LED549, LED550, LED551, LED552, LED553, LED554, LED555, LED556, LED557, LED558, LED559, LED560, LED561, LED562, LED563, LED564, LED565, LED566, LED567, LED568, LED569, LED570, LED571, LED572, LED573, LED574, LED575, LED576, LED577, LED578, LED579, LED580, LED581, LED582, LED583, LED584, LED585, LED586, LED587, LED588, LED589, LED590, LED591, LED592, LED593, LED594, LED595, LED596, LED597, LED598, LED599, LED600, LED601, LED602, LED603, LED604, LED605, LED606, LED607, LED608, LED609, LED610, LED611, LED612, LED613, LED614, LED615, LED616, LED617, LED618, LED619, LED620, LED621, LED622, LED623, LED624, LED625, LED626, LED627, LED628, LED629, LED630, LED631, LED632, LED633, LED634, LED635, LED636, LED637, LED638, LED639, LED640, LED641, LED642, LED643, LED644, LED645, LED646, LED647, LED648, LED649, LED650, LED651, LED652, LED653, LED654, LED655, LED656, LED657, LED658, LED659, LED660, LED661, LED662, LED663, LED664, LED665, LED666, LED667, LED668, LED669, LED670, LED671, LED672, LED673, LED674, LED675, LED676, LED677, LED678, LED679, LED680, LED681, LED682, LED683, LED684, LED685, LED686, LED687, LED688, LED689, LED690, LED691, LED692, LED693, LED694, LED695, LED696, LED697, LED698, LED699, LED700, LED701, LED702, LED703, LED704, LED705, LED706, LED707, LED708, LED709, LED710, LED711, LED712, LED713, LED714, LED715, LED716, LED717, LED718, LED719, LED720, LED721, LED722, LED723, LED724, LED725, LED726, LED727, LED728, LED729, LED730, LED731, LED732, LED733, LED734, LED735, LED736, LED737, LED738, LED739, LED740, LED741, LED742, LED743, LED744, LED745, LED746, LED747, LED748, LED749, LED750, LED751, LED752, LED753, LED754, LED755, LED756, LED757, LED758, LED759, LED760, LED761, LED762, LED763, LED764, LED765, LED766, LED767, LED768, LED769, LED770, LED771, LED77