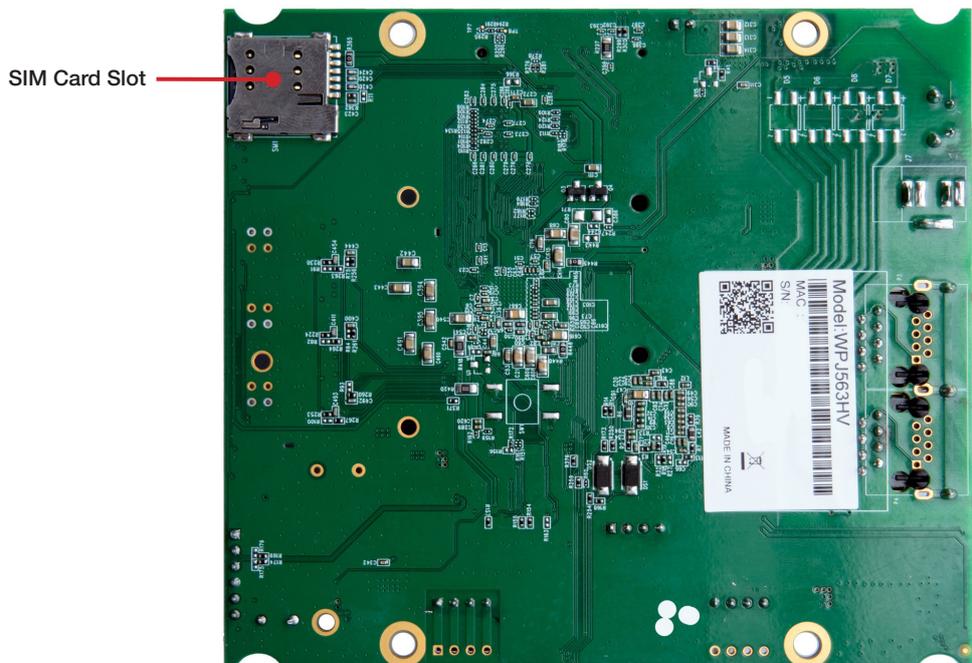
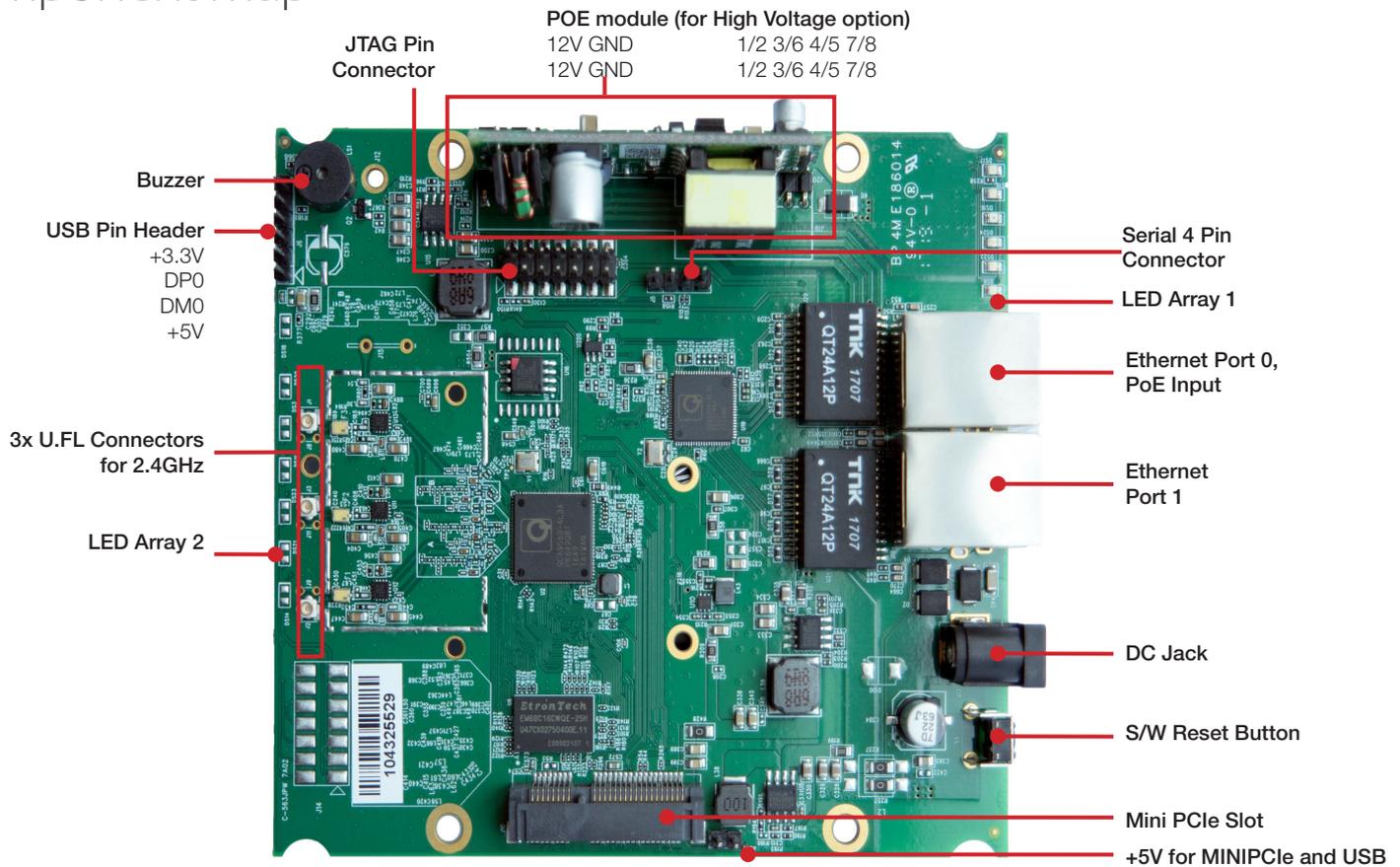


Component Map



Power Requirements

Power Over Ethernet	1x Passive PoE 24V (LV version), or 1x IEEE 802.3af/at or Passive PoE 36~56V (HV version)
DC Power	1x DC Jack Connector: 12~24V
Power Consumption	9.96W (Max)

Ethernet 0 Pin

Pin	Signal	Pin	Signal
1	TX+/POE+	5	TX-/POE+
2	TX-/POE+	6	RX-/POE-
3	RX+/POE-	7	RX+/POE-
4	TX+/POE+	8	RX-/POE-

GPIO Pin Mapping

GPIO Pin	Function
GPIO1	RSS1/EEPROM CLK
GPIO2	RESET
GPIO3	EMDC
GPIO4	EMDIO
GPIO5	RSS2/ EEPROM data
GPIO6	RSS3
GPIO7	RSS4/Diag
GPIO8	SIM_CARD_IN
GPIO9	WAKE_L_PClE
GPIO10	S17_INTn
GPIO11	SYS_RST_L
GPIO12	NC
GPIO13	NC
GPIO14	JTAG_TDI
GPIO15	JTAG_TMS
GPIO16	JTAG_TCK
GPIO17	JTAG_TDO/DDR_SEL
GPIO18	SPI_CS1/UART_RX
GPIO19	BUZZER/JTAG_MODE
GPIO20	REF_CLK_SEL
GPIO21	W_DISABLE_L
GPIO22	UART_TX

Serial Port Pin

Pin	Signal	Pin	Signal
1	VCC – 3.3V	3	UART 0 Receive Data
2	UART 0 Transmit Data	4	GND

miniPCle Slot Pin Assignment

Top side		Bottom side	
1	WAKE_L	2	+3.3V
3	NC	4	GND
5	NC	6	NC
7	CLKREQ_L	8	UIM_PWR
9	GND	10	UIM_DATA
11	REFCLK-	12	UIM_CLK
13	REFCLK+	14	UIM_RST
15	GND	16	UIM_VPP
Mechanical key			
17	NC	18	GND
19	NC	20	W_DISABLE_L
21	GND	22	PERST_L
23	PERn0	24	+3.3V
25	PERp0	26	GND
27	GND	28	NC
29	GND	30	SMB_CLK
31	PETn0	32	SMB_DATA
33	PETp0	34	GND
35	GND	36	USB_D-
37	NC	38	USB_D+
39	+3.3V	40	GND
41	+3.3V	42	NC
43	NC	44	NC
45	+5V	46	NC
47	+5V	48	NC
49	+5V	50	GND
51	+5V	52	+3.3V

JTAG Pin

JTAG interface			
Pin	Signal	Pin	Signal
1	TRST_N	2	GND
3	TDI	4	GND
5	TDO	6	GND
7	TMS	8	GND
9	TCK	10	GND
11	RESET	12	NC
13	DINT	14	3V3

SIM Slot Pin

SIM1		SIM Signal
C1	VCC	VDD_3P3
C2	RST	UIM_RST
C3	CLK	UIM_CLK
C4	CD	SIM_CARD_IN
C5	GND	GND
C6	VPP	VPP
C7	I/O	UIM_DATA

LED Array 1 Pin

Array 1			
Pin	Signal	Pin	Signal
1	RSS4/Diag	4	RSS1
2	RSS3	5	Ethernet
3	RSS2	6	Power

LED Array 2 Pin

LED Array 2 and LED Header J14			
SMD Location	Frist Pin	Second pin	Function
DS14	+2.5V	GPIO7	RSS4/Diag
DS21	+2.5V	GPIO6	RSS3
DS23	+2.5V	GPIO5	RSS2
DS11	+2.5V	GPIO1	RSS1
DS3	+2.5V	S17C_LED1	Ethernet1
DS20	+2.5V	S17C_LED0	Ethernet0
DS18	+3.3V	GND	Power