








CF Socket Modems Comparison (Common Footprint)

Specs / Parameter	HSPA910CF	LTE910CF v6.00	LTE910CF v7.00	
				
  				
Power Supply	Input Voltage Range	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc	
	Registered Idle Current Draw*	13mA	15mA	
	Power Savings Current Draw*	2mA	2mA	
Hardware	Screw Mounting Hole	Yes	Yes	
	Cellular Technology - Primary Fallback	UMTS/HSPA GSM/GPRS/EDGE	LTE (CAT 1)	LTE (CAT 1)
Cellular	Max Data Rate down/up (Mbps)	21.0 / 5.76	10 / 5	10 / 5
	2G Bands	GSM850, GSM900, DCS1800, PCS1900		
	3G Bands	B1, B2, B4, B5, B8, B19		B2, B5
	4G Bands		B2, B4, B13	B2, B4, B5, B12, B13
	Rx Diversity	Rx	MIMO DL 2x2	Rx & MIMO DL 2x2
	SIM Card	Mini (2FF size)		
	Certification	All N.A. GSM Carriers	Verizon	All N.A. GSM Carriers
	GPS	GPS Available?	GPS	No
UART	UART Interfaces	AT Command Trace Tx/Rx (Supports CMUX)	AT Command AUX Tx/Rx	AT Command AUX Tx/Rx
	UART Voltage	2.85 or user selected	2.85 or user selected	2.85 or user selected
	UART Baud Rate	115200 Default	115200 Default	115200 Default
USB	USB Interfaces	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5, USB6	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5
	Software	TCP/IP	UDP/TCP/FTP/SMTp stack	UDP/TCP/FTP/SMTp stack
I/O	Application Programming	Python, C	C	C
	GPIO	5 (GPIO_3-7)	5 (GPIO_3-7)	5 (GPIO_3-7)
	LED Indicator Outputs	1. Cellular Staus 2. User Controlled	1. Cellular Staus 2. User Controlled	1. Cellular Staus 2. User Controlled
	DAC	0	0	0
	ADC	1	1	1
	I2C (Via AT Commands)	Yes	Yes	Yes
	I2C Voltage	1.8 Vdc	1.8 Vdc	1.8 Vdc
Audio	Audio Interface	DVI (12S/PCM)	No	N/A
	Audio Signal Voltage	1.8 Vdc	N/A	N/A

* Average Current: may be higher in fallback modes.

CF Socket Modems Comparison (Common Footprint)

Specs / Parameter		LTE910CF CAT-M1 v10.00	LTE910CF CAT1 v15.00	LTE910CF CAT1 Dual SIM	LTE910CF CAT-M1/NB2 v20.00
					
Power Supply	Input Voltage Range	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc
	Registered Idle Current Draw*	12mA	15mA	15mA	12mA
	Power Savings Current Draw*	2mA	2mA	2mA	2mA
Hardware	Screw Mounting Hole	Yes	Yes	Yes	Yes
	Cellular Technology - Primary Fallback	LTE (CAT-M1)	LTE (CAT 1)	LTE (CAT 1)	LTE (CAT-M1/NB2) EGPRS 2G
Cellular	Max Data Rate down/up (Mbps)	0.3 / 0.375	10 / 5	10 / 5	CAT-M1: 1 Mbps/588 Kbps; NB2: 160/120 Kbps
	2G Bands				B2, B3, B5, B8, (210/264 Kbps)
	3G Bands		B2, B4, B5	B2, B4, B5	
	4G Bands	B2, B4, and B12	B2, B4, B5, B12, B13, B14, B66, and B71	B13, B12, B5, B4 and B2	B1, B2, B3, B4, B5, B8, B12, B13, B18 B19, B20, B25, B26, B27, B28, B66, B71, B85
	Rx Diversity	N/A	Rx & MIMO DL 2x2	Rx & MIMO DL 2x2	N/A
	SIM Card	Mini (2FF size)	Mini (2FF size)	Two 3FF micro	Mini (2FF size)
	Certification	AT&T Carrier	All N.A. GSM Carriers	All N.A. GSM Carriers	Global CAT-M1/NB2
	GPS	GPS Available?	Yes	No	No
UART	UART Interfaces	AT Command AUX Tx/Rx	AT Command AUX Tx/Rx	AT Command AUX Tx/Rx	AT Command AUX Tx/Rx
	UART Voltage	2.85 or user selected	2.85 or user selected	2.85 or user selected	2.85 or user selected
	UART Baud Rate	115200 Default	115200 Default	115200 Default	115200 Default
USB	USB Interfaces	Modems: USB1, USB2 Virtual Com Port: USB0	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	Modems: USB1, USB2 Virtual Com Port: USB0
	Software	TCP/IP Application Programming	UDP/TCP/FTP/SMTP stack No	UDP/TCP/FTP/SMTP stack C	UDP/TCP/FTP/SMTP stack C
I/O	GPIO	5 (GPIO_3-7)	5 (GPIO_3-7)	5 (GPIO_3-7)	5 (GPIO_3-7)
	LED Indicator Outputs	1. Cellular Staus 2. User Controlled	1. Cellular Staus 2. User Controlled	1. Cellular Staus 2. User Controlled	1. Cellular Staus 2. User Controlled
	DAC	0	0	0	0
	ADC	1	1	1	1
	I2C (Via AT Commands)	Yes	Yes	Yes	Yes
	I2C Voltage	1.8 Vdc	1.8 Vdc	1.8 Vdc	1.8 Vdc
Audio	Audio Interface	N/A	N/A	N/A	N/A
	Audio Signal Voltage	N/A	N/A	N/A	N/A

* Average Current: may be higher in fallback modes.