







CF Plug-In Modems Comparison (Common Footprint)

Specs / Parameter		HSPA910CF	LTE910CF v1.00	LTE910CF v3.00
				
Power Supply	Input Voltage Range	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc
	Registered Idle Current Draw*	13mA	20mA	20mA
	Power Savings Current Draw*	2mA	2mA	2mA
Hardware	Screw Mounting Hole	Yes	Yes	Yes
	Cellular Technology - Primary Fallback	UMTS/HSPA GSM/GPRS/EDGE	LTE GSM/GPRS/EDGE/UMTS/HSPA	LTE
Cellular	Max Data Rate down/up (Mbps)	21.0 / 5.76	100 / 50	100 / 50
	2G Bands	GSM850, GSM900, DCS1800, PCS1900	GSM850, PCS1900	
	3G Bands	2100 (B1), 1900 (B2), AWS (B4), 850 (B5/B19) 800 (B8)	1900 (B2), 850 (B5),	
	4G Bands		1900 (B2), 1700 (B4), 850 (B5), 700 (B17)	1700 (B4), 700 (B13),
	Rx Diversity	Rx	Rx & MIMO DL 2x2	MIMO DL 2x2
	SIM Card	Mini (2FF size)	Mini (2FF size)	Mini (2FF size)
	Certification	All N.A. GSM Carriers	All N.A. GSM Carriers	Verizon
	GPS	GPS Available?	GPS	GPS / GLONASS
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: USB2, USB3 Virtual Com Ports: Diagnostic Port - USB1 NEMA Port - USB4 Auxillary Port - USB5	Modem: USB2, USB3 Virtual Com Ports: Diagnostic Port - USB1 NEMA Port - USB4 Auxillary Port - USB5
	Software	TCP/IP	UDP/TCP/FTP/SMTTP stack	UDP/TCP/FTP/SMTTP stack
I/O	Application Programming	Python, C	No	No
	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)	DVI (PCM)	DVI (PCM)
	Audio Signal Voltage	1.8 Vdc	1.8 Vdc	1.8 Vdc

* Average Current: may be higher in fallback modes.

CF Plug-In Modems Comparison (Common Footprint)

Specs / Parameter		LTE910CF v6.00	LTE910CF v7.00	LTE910CF v10.00	LTE910CF v11.00
					
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*	15mA	15mA	12mA	12mA
	Power Savings Current Draw*	2mA	2mA	2mA	2mA
Hardware	Screw Mounting Hole	Yes	Yes	Yes	Yes
	Cellular Technology - Primary Fallback	LTE (CAT 1)	LTE (CAT 1)	LTE (CAT-M1)	LTE (CAT-M1)
Cellular	Max Data Rate down/up (Mbps)	10 / 5	10 / 5	0.3 / 0.375	0.3 / 0.375
	2G Bands				
	3G Bands		1900 (B2), 850 (B5)		1900 (B2), 850 (B5)
	4G Bands	1900 (B2), 1700 (B4), 700 (B13)	1900 (B2), 1700 (B4), 850 (B5), 700 (B12/B13)	1900 (B2), 1700 (B4), 700 (B12)	1700 (B4), 700 (B13)
	Rx Diversity	MIMO DL 2x2	Rx & MIMO DL 2x2	N/A	N/A
	SIM Card	Mini (2FF size)	Mini (2FF size)	Mini (2FF size)	Mini (2FF size)
	Certification	Verizon	All N.A. GSM Carriers	All N.A. GSM Carriers	Verizon
	GPS	GPS Available?	No	No	Yes
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	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	Modems: USB1, USB2 Virtual Com Port: USB0
Software	TCP/IP	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack
	Application Programming	C	C	No	No
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	No	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.