









CF Plug-In Modems Comparison (Common Footprint)

Specs / Parameter		CDMA910CF	HSPA910CF	EVDO910CF
				
Power Supply	Input Voltage Range	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc	4.75 - 5.25 Vdc
	Registered Idle Current Draw*	29mA	13mA	13mA
	Power Savings Current Draw*	2mA	2mA	2mA
Hardware	Screw Mounting Hole	Yes	Yes	Yes
Cellular	Cellular Technology - Primary Fallback	CDMA 1xRTT	UMTS/HSPA GSM/GPRS/EDGE	EV-DO CDMA/1xRTT
	Max Data Rate down/up (Mbps)	0.153 / 0.153	21.0 / 5.76	3.1 / 1.8
	2G Bands	800 (BC0), 1900 (BC1)	GSM850, GSM900, DCS1800, PCS1900	800 (BC0), 1900 (BC1)
	3G Bands		2100 (B1), 1900 (B2), AWS (B4), 850 (B5/B19) 800 (B8)	800 (BC0), 1900 (BC1)
	Rx Diversity	No	Rx	Rx
	SIM Card	Mini (2FF size)	Mini (2FF size)	Mini (2FF size)
	Certification	Sprint, Verizon	All N.A. GSM Carriers	Sprint, Verizon
GPS	GPS Available?	No	GPS	GPS / GLONASS
UART	UART Interfaces	AT Command, Trace Tx/Rx Trace Tx/Rx	AT Command Trace Tx/Rx (Supports CMUX)	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: USB1 Virtual Com Ports: Diagnostic Port - USB0	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5, USB6	Modem: USB3 Virtual Com Ports: Diagnostic Port - USB1 NMEA Port -USB2 Auxillary Port - USB4
Software	TCP/IP	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack
	Application Programming	Python	Python, C	No
I/O	GPIO	5 (GPIO_3-7)	5 (GPIO_3-7)	5 (GPIO_3-7)
	LED Indicator Outputs	1. Cellular Status 2. User Controlled	1. Cellular Status 2. User Controlled	1. Cellular Status 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 (PCM)	DVI (I2S/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 v1.00	LTE910CF v3.00	LTE910CF v6.00	LTE910CF v7.00				
									
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*	20mA	20mA	15mA	15mA				
	Power Savings Current Draw*	2mA	2mA	2mA	2mA				
Hardware	Screw Mounting Hole	Yes	Yes	Yes	Yes				
	Cellular Technology - Primary Fallback	LTE GSM/GPRS/EDGE/UMTS/HSPA	LTE	LTE (CAT 1)	LTE (CAT 1) EDGE/UMTS/HSPA				
Cellular	Max Data Rate down/up (Mbps)	100 / 50	100 / 50	10 / 5	10 / 5				
	2G Bands	GSM850, PCS1900							
	3G Bands	1900 (B2), 850 (B5)			1900 (B2), 850 (B5)				
	4G Bands	1900 (B2), 1700 (B4), 850 (B5), 700 (B17)	1700 (B4), 700 (B13)	1900 (B2), 1700 (B4), 700 (B13)	1900 (B2), 1700 (B4), 850 (B5), 700 (B12/B13)				
	Rx Diversity	Rx & MIMO DL 2x2	MIMO DL 2x2	MIMO DL 2x2	Rx & MIMO DL 2x2				
	SIM Card	Mini (2FF size)	Mini (2FF size)	Mini (2FF size)	Mini (2FF size)				
	Certification	09/16	Verizon	Q4 2016	Q4 2016				
	GPS	GPS Available?	GPS / GLONASS	GPS / GLONASS	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: USB2, USB3 Virtual COM Ports: Diagnostic Port - USB1 NEMA Port - USB4 Auxillary Port - USB5	Modems: USB2, USB3 Virtual Com Ports: Diagnostic Port - USB1 NEMA Port - USB4 Auxillary Port - USB5	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	Modem: USB0 Virtual Com Ports: USB1, USB USB3, USB4 USB5				
		Software	TCP/IP	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack		
I/O	Application Programming	No	No	C	C				
	GPIO	5 (GPIO_3-7)	5 (GPIO_3-7)	5 (GPIO_3-7)	5 (GPIO_3-7)				
	LED Indicator Outputs	1. Cellular Status 2. User Controlled	1. Cellular Status 2. User Controlled	1. Cellular Status 2. User Controlled	1. Cellular Status 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	DVI (PCM)	DVI (PCM)	No	No				
	Audio Signal Voltage	1.8 Vdc	1.8 Vdc						

* Average Current: may be higher in fallback modes.