






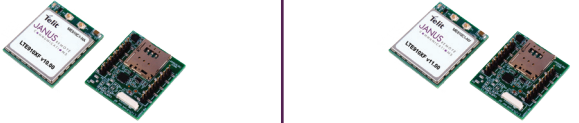


*XF Socket Modems Comparison

Specs / Parameter	HSPA910XF	LTE910XF v1.00	LTE910XF v3.00	LTE910XF CAT 4 v8.00	
					
   					
Power Supply	Input Voltage Range Registered Idle Current Draw** Power Savings Current Draw**	3.5 – 4.3 Vdc 13mA 2mA	3.5 – 4.3 Vdc 20mA 2mA	3.5 – 5.5 Vdc 15mA 2mA	
Hardware	Screw Mounting Hole	Yes	Yes	Yes	
Cellular	Cellular Technology - Primary Fallback	UMTS/HSPA GSM/GPRS/EDGE	LTE (CAT 3) GSM/GPRS/EDGE/UMTS/HSPA	LTE (CAT 3) LTE (CAT 4)	
	Max Data Rate down/up (Mbps)	21.0 / 5.76	100 / 50	100 / 50	150 / 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)	1900 (B2), 850 (B5) 1700 (B4), 700 (B13)
	Rx Diversity & MIMO	Rx	Rx & MIMO DL 2x2	MIMO DL 2x2	MIMO DL 2x2
	Antenna Connector	U.FL	U.FL	U.FL	U.FL
	SIM Card	Micro (3FF size)	Micro (3FF size)	Micro (3FF size)	Micro (3FF size)
Certification	AT&T, T-Mobile, Rogers	AT&T, T-Mobile, Rogers	Verizon	AT&T, T-Mobile, Rogers, Verizon	
GPS	GPS Available GPS Antenna Connection	GPS U.FL	GPS / GLONASS U.FL	GPS / GLONASS U.FL	N/A
UART	UART Interface UART Voltage UART Baud Rate	AT Command 1.65 - 5.0 Vdc 115200 Default	AT Command 1.65 - 5.0 Vdc 115200 Default	AT Command 1.65 - 5.0 Vdc 115200 Default	AT Command 1.65 - 5.0 Vdc 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	Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5
Software	TCP/IP Application Programming	UDP/TCP/FTP/SMTP stack Python, C	UDP/TCP/FTP/SMTP stack No	UDP/TCP/FTP/SMTP stack No	UDP/TCP/FTP/SMTP stack No
I/O	GPIO LED Indicator Outputs	2 (GPIO_2-3) Cellular Staus	2 (GPIO_2-3) Cellular Staus	2 (GPIO_2-3) Cellular Staus	2 (GPIO_2-3) Cellular Staus
	DAC	0	0	0	0
	ADC	1	1	1	1

* XF Footprint is an Industry Standard 20 Pin Connector Footprint | ** Average Current: may be higher in fallback modes.

*XF Socket Modems Comparison

Specs / Parameter		LTE910XF v6.00	LTE910XF v7.00	LTE910XF CAT-M1 v10.00	LTE910XF CAT-M1 v11.00
					
Power Supply	Input Voltage Range	3.5 – 5.5 Vdc	3.5 – 5.5 Vdc	3.5 – 5.5 Vdc	3.5 – 5.5 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	Cellular Technology - Primary Fallback	LTE (CAT 1)	LTE (CAT 1) EDGE/UMTS/HSPA	LTE (CAT-M1)	LTE (CAT-M1)
	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)		
	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	MIMO DL 2x2	Rx & MIMO DL 2x2	N/A	N/A
	Antenna Connector	U.FL	U.FL	U.FL	U.FL
	SIM Card	Micro (3FF size)	Micro (3FF size)	Micro (3FF size)	Micro (3FF size)
	Certification	Verizon	AT&T, T-Mobile, Rogers	AT&T, T-Mobile, Rogers	Verizon
GPS	GPS Available	No	No	Yes	Yes
	GPS Antenna Connection	U.FL	U.FL	U.FL	U.FL
UART	UART Interface	AT Command	AT Command	AT Command	AT Command
	UART Voltage	1.65 - 5.0 Vdc	1.65 - 5.0 Vdc	1.65 - 5.0 Vdc	1.65 - 5.0 Vdc
	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	2 (GPIO_2-3)	2 (GPIO_2-3)	2 (GPIO_2-3)	2 (GPIO_2-3)
	LED Indicator Outputs	Cellular Staus	Cellular Staus	Cellular Staus	Cellular Staus
	DAC	0	0	0	0
	ADC	1	1	1	1

* XF Footprint is an Industry Standard 20 Pin Connector Footprint | ** Average Current: may be higher in fallback modes.