

*XF Socket Modems Comparison

Specs / Parameter

LTE910XF CAT 1 v7.00

LTE910XF CAT 4 v8.00

LTE910XF CAT-M1 v10.00

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Specs / Parameter	LTE910XF CAT 1 v7.00	LTE910XF CAT 4 v8.00	LTE910XF CAT-M1 v10.00	
Power Supply	3.5 – 5.5 Vdc Registered Idle Current Draw** 15mA Power Savings Current Draw** 2mA	3.5 – 5.5 Vdc 15mA 2mA	3.5 – 5.5 Vdc 12mA 2mA	
Hardware	Screw Mounting Hole Yes	Screw Mounting Hole Yes	Screw Mounting Hole Yes	
Cellular	Cellular Technology - Primary Fallback	LTE (CAT 1) EDGE/UMTS/HSPA	LTE (CAT 4)	LTE (CAT-M1)
	Max Data Rate down/up (Mbps)	10 / 5	150 / 50	0.3 / 0.375
	2G Bands			
	3G Bands	B2, B4		
	4G Bands	B2, B4, B5, B12, B13	B2, B4, B5, B13	B2, B4, B12
	Rx Diversity & MIMO	Rx & MIMO DL 2x2	MIMO DL 2x2	N/A
	Antenna Connector	U.FL	U.FL	U.FL
	SIM Card	Micro (3FF size)	Micro (3FF size)	Micro (3FF size)
GPS	Certification AT&T, T-Mobile, Rogers	Certification AT&T, T-Mobile, Rogers, Verizon	Certification AT&T, T-Mobile, Rogers	
UART	GPS Available No	GPS Available N/A	GPS Available Yes	
	GPS Antenna Connection		U.FL	
	UART Interface AT Command	UART Interface AT Command	UART Interface AT Command	
USB	UART Voltage 1.65 - 5.0 Vdc	UART Voltage 1.65 - 5.0 Vdc	UART Voltage 1.65 - 5.0 Vdc	
	UART Baud Rate 115200 Default	UART Baud Rate 115200 Default	UART Baud Rate 115200 Default	
	USB Interfaces Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	USB Interfaces Modem: USB0 Virtual Com Ports: USB1, USB2 USB3, USB4 USB5	USB Interfaces Modems: USB1, USB2 Virtual Com Port: USB0	
Software	TCP/IP UDP/TCP/FTP/SMTP stack	TCP/IP UDP/TCP/FTP/SMTP stack	TCP/IP UDP/TCP/FTP/SMTP stack	
	Application Programming C	Application Programming No	Application Programming No	
I/O	GPIO 2 (GPIO_2-3)	GPIO 2 (GPIO_2-3)	GPIO 2 (GPIO_2-3)	
	LED Indicator Outputs Cellular Staus	LED Indicator Outputs Cellular Staus	LED Indicator Outputs Cellular Staus	
	DAC 0	DAC 0	DAC 0	
	ADC 1	ADC 1	ADC 1	

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

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Specs / Parameter

LTE910XF CAT 1 v12.00 EU

LTE910XF CAT 1 v15.00

LTE910XF v20.00 CAT-M1/NB2

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Specs / Parameter	LTE910XF CAT 1 v12.00 EU	LTE910XF CAT 1 v15.00	LTE910XF v20.00 CAT-M1/NB2
Power Supply			
Input Voltage Range	3.5 – 5.5 Vdc	3.5 – 5.5 Vdc	3.5 – 5.5 Vdc
Registered Idle Current Draw**	15mA	15mA	12mA
Power Savings Current Draw**	2mA	2mA	2mA
Hardware			
Screw Mounting Hole	Yes	Yes	Yes
Cellular Technology - Primary Fallback	LTE (CAT-1) GSM	LTE (CAT-1) GSM	LTE (CAT-M1/NB2) EGPRS 2G
Max Data Rate down/up (Mbps)	10 / 5	10 / 5	CAT-M1: 1 Mbps / 588 Kbps; NB2: 160 / 120 Kbps
2G Bands	GSM900, DCS1800		B2, B3, B5, B8, (210 / 264 Kbps)
3G Bands		B2, B4, B5	
4G Bands	B1, B3, B7, B8, B20	B2, B4, B5, B12, B13, B14, B66, and B71	B1, B2, B3, B4, B5, B8, B12, B13, B18 B19, B20, B25, B26, B27, B28, B66, B71, B85
Rx Diversity & MIMO	MIMO DL 2x2	MIMO DL 2x2	N/A
Antenna Connector	U.FL	U.FL	U.FL
SIM Card	Micro (3FF size)	Micro (3FF size)	Micro (3FF size)
Certification	RED	AT&T, PTCRB Version Pending	Global CAT-M1/NB2
GPS			
GPS Available	Yes	Yes	Yes
GPS Antenna Connection			U.FL
UART			
UART Interface	AT Command	AT Command	AT Command
UART Voltage	1.65 - 5.0 Vdc	1.65 - 5.0 Vdc	1.65 - 5.0 Vdc
UART Baud Rate	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
Software			
TCP/IP	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack	UDP/TCP/FTP/SMTP stack
Application Programming	No	No	No
I/O			
GPIO	2 (GPIO_2-3)	2 (GPIO_2-3)	2 (GPIO_2-3)
LED Indicator Outputs	Cellular Staus	Cellular Staus	Cellular Staus
DAC	0	0	0
ADC	1	1	1

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