

LINUX TECHNOLOGIES RF Modules and Dev Systems

Products may be RoHS compliant. Check mouser.com for RoHS status.

Linux RF modules make it easy and cost-effective to add wireless capabilities to your product. Linux modules contain all the components necessary for the transmission of RF. Since no external components (except an antenna) are needed, the modules are easily applied, even by persons without previous RF design experience. This conserves valuable engineering resources and greatly reduces the product's time to market.

PROPRIETARY WIRELESS MODULES

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Max Data Range (bps)	Interface Type	Price Each		
Mfr.	Mfr. Part No.								1	25	100
712	TRM-433-DP1203	A	1203 Series Radio Transceiver Module	433	2.4 V to 3.6 V	62	152,000	3 Wire	19.84	19.01	18.41
712	TRM-868-DP1203	A	1203 Series Radio Transceiver Module	868	2.4 V to 3.6 V	62	152,000	3 Wire	20.21	19.36	18.76
712	TRM-915-DP1203	A	1203 Series Radio Transceiver Module	915	2.4 V to 3.6 V	62	152,000	3 Wire	20.04	19.20	18.60
712	TRM-868-EUR	B	European Wireless Serial Engine Module	868	2.7 V to 3.6 V	58	76,000	UART	25.89	24.80	24.03
712	TRM-915-DTS	B	Wireless RF Transceiver Module	915	2.7 V to 3.6 V	72	100,000	UART	26.22	25.12	24.34
712	TRM-915-R25	C	Wireless Serial Engine (XE1203F)	915	3 V to 3.6 V	65	153,000	UART	29.89	28.64	27.75
712	TRM-915-R250	C	Wireless Serial Engine (ADF7020)	915	3 V to 3.6 V	190	153,000	UART	39.25	37.60	36.43
Development Tools									1		
712—EVM-915-250-FCS									45.93		
712—EVM-915-250-FCR									45.93		
712—EVM-915-025-FCR									41.75		
712—EVM-915-250-CFS									45.09		
712—EVM-915-DTS-FCS									34.24		
712—EVM-915-DTS-FCR									34.24		

NT SERIES - TRUE TRANSPARENCY™ TRANSCEIVER MODULES

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.								1	25	50
712	TRM-900-NT	D	RF Transceiver Module	900	2.5-5.5	33.9	300,000	SMD	28.33	27.20	26.15
NT Series Development and Evaluation Systems									1		
712—MDEV-900-NT									149.00		

LT SERIES - LONG RANGE RF TRANSCEIVER MODULES

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.									1	25	50
712	TRM-315-LT	E	RF Transceiver Module	315	2.1-3.6	9.5/7.9	-	10,000	SMD	17.15	15.68	15.19
712	TRM-418-LT	E	RF Transceiver Module	418	2.1-3.6	9.5/7.9	-	10,000	SMD	17.15	15.68	15.19
712	TRM-433-LT	E	RF Transceiver Module	433.92	2.1-3.6	9.5/7.9	-	10,000	SMD	17.15	15.68	15.19
GPS Development and Evaluation Systems									1			
712—EVAL-315-LT									149.00			
712—EVAL-418-LT									149.00			
712—EVAL-433-LT									149.00			

LR SERIES - LONG RANGE WIRELESS COMMUNICATION MODULES

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.									1	25	50
712	TXM-315-LR	F	RF Transmitter Module	315	2.1-3.6	3.4	-	10,000	SMD	7.46	6.81	6.60
712	TXM-418-LR	F	RF Transmitter Module	418	2.1-3.6	3.4	-	10,000	SMD	8.05	7.35	7.12
712	TXM-433-LR	F	RF Transmitter Module	433.92	2.1-3.6	3.4	-	10,000	SMD	7.46	6.81	6.60
712	RXM-315-LR	G	RF Receiver Module	315	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD	13.56	12.40	12.02
712	RXM-418-LR	G	RF Receiver Module	418	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD	13.56	12.40	12.02
712	RXM-433-LR	G	RF Receiver Module	433.92	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD	13.56	12.40	12.02
LR Series Development and Evaluation Systems									1			
712—EVAL-315-LR									139.00			
712—EVAL-433-LR									139.00			

LC SERIES - LOW COST RF TRANSMITTER MODULES

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.									1	25	50
712	TXM-315-LC	H	RF Transmitter Module	315	2.7-5.2	3.0	-	5,000	SMD	6.90	6.30	6.10
712	TXM-418-LC	H	RF Transmitter Module	418	2.7-5.2	3.0	-	5,000	SMD	6.90	6.30	6.10
712	TXM-433-LC	H	RF Transmitter Module	433.92	2.7-5.2	3.0	-	5,000	SMD	6.90	6.30	6.10
LC Series Development and Evaluation Systems									1			
712—EVAL-315-LC									139.00			
712—EVAL-418-LC									139.00			
712—EVAL-433-LC									139.00			

KH2 SERIES - RF TRANSMITTERS & RECEIVERS WITH INTEGRATED ENCODER & DECODER CHIPS

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.									1	25	50
712	TXE-315-KH2	I	RF Transmitter / Encoder Module	315	2.7-5.2	1.5	-	5,000	SMD	9.98	9.12	8.84
712	TXE-418-KH2	I	RF Transmitter / Encoder Module	418	2.7-5.2	1.5	-	5,000	SMD	9.98	9.12	8.84
712	TXE-433-KH2	I	RF Transmitter / Encoder Module	433.92	2.7-5.2	1.5	-	5,000	SMD	9.98	9.12	8.84
712	RXD-315-KH2	J	RF Receiver / Decoder Module	315	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD	15.93	14.56	14.11
712	RXD-418-KH2	J	RF Receiver / Decoder Module	418	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD	15.93	14.56	14.11
712	RXD-433-KH2	J	RF Receiver / Decoder Module	433.92	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD	15.93	14.56	14.11
KH2 Series Development and Evaluation Systems									1			
712—EVAL-315-KH2									149.00			
712—EVAL-418-KH2									149.00			
712—EVAL-433-KH2									149.00			

ES SERIES - DIGITAL AND ANALOG WIRELESS MODULES

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.									1	25	50
712	TXM-869-ES	K	RF Transmitter Module	869.85	2.1-4.0	7.0	20Hz-28kHz	56,000	SMD	13.84	12.65	12.26
712	TXM-916-ES	K	RF Transmitter Module	916.48	2.1-4.0	7.0	20Hz-28kHz	56,000	SMD	13.84	12.65	12.26
712	RXM-869-ES	L	RF Receiver Module	869.85	4.5-5.5	6.0	20Hz-28kHz	56,000	SMD	18.48	16.88	16.37
712	RXM-916-ES	L	RF Receiver Module	916.48	4.5-5.5	6.0	20Hz-28kHz	56,000	SMD	17.12	15.64	15.17
ES Series Development and Evaluation Systems									1			
712—EVAL-869-ES									100.00			
712—MDEV-869-ESRS232									299.00			
712—MDEV-869-ES-USB									324.00			
712—MDEV-916-ESRS232									299.00			
712—MDEV-916-ES-USB									324.00			

