

BOM Comparison Multi-RAT (Estimate cost)

	#	Price USD (>1p	Total cost	Octopart link
NB-IoT				
BG96MA-128-SGN	1	\$19,00	\$19,00	https://octopart.com/t
WR-CRD Micro SIM Card Connector	1	\$1,64	\$1,64	https://octopart.com/t
BC847W,115	4	\$0,13	\$0,52	https://octopart.com/t
DMN2310UW-7	4	\$0,06	\$0,24	https://octopart.com/c
Antenna	1	\$5,05	\$5,05	https://octopart.com/c
Resistors and Capacitors	32	\$0,01	\$0,32	
<i>Total</i>			\$26,77	
LoRaWAN				
RN2483A-I/RM104	1	\$13,44	\$13,44	https://octopart.com/r
Antenna	1	\$3,21	\$3,21	https://octopart.com/c
Resistors and Capacitors	8	\$0,01	\$0,08	
<i>Total</i>			\$16,73	
Common				
EFM32HG322F64G-B-QFP48	1	\$2,41	\$2,41	https://octopart.com/e
LFX TAL050789CUTT	1	\$0,79	\$0,79	https://octopart.com/l
7A-24.000MAAJ-T	1	\$0,72	\$0,72	https://octopart.com/c
MCP73831T-2ATI/OT	1	\$0,59	\$0,59	https://octopart.com/m
USB Connector	1	\$0,92	\$0,92	https://octopart.com/c
Li-Po Battery	1	\$10,00	\$10,00	
Resistors and Capacitors	15	\$0,01	\$0,15	
<i>Total</i>			\$15,58	
NB-IoT only solution			\$42,35	
LoRaWAN only solution			\$32,31	
Multi-RAT solution			\$59,08	

[g96ma-128-sgn-quectel-94178001?r=sp](#)
[93022010811-w%C3%BCrth+elektronik-52645177?r=sp](#)
[jc847w%2C115-nexperia-78739125?r=sp](#)
[lmn2310uw-7-diodes+inc.-112906842?r=sp](#)
[ant-ghel2r-sma-rf+solutions-28336341?r=sp](#)

[n2483a-i%2Fm104-microchip-90584481?r=sp](#)
[l05262-0001-molex-29198908?r=sp](#)

[efm32hg322f64g-b-qfp48-silicon+labs-75630660?r=sp](#)
[fxtal050789cutt-iqd+frequency+products-65420217?r=sp](#)
[7a-24.000maaj-t-txc-18785507?r=sp](#)
[ncp73831t-2ati%2Fot-microchip-422780?r=sp#CadModels](#)
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