

# ANAREN AIR Modules, Antennas, & Development Tools **Anaren**

What'll we think of next?™

Wireless Solutions

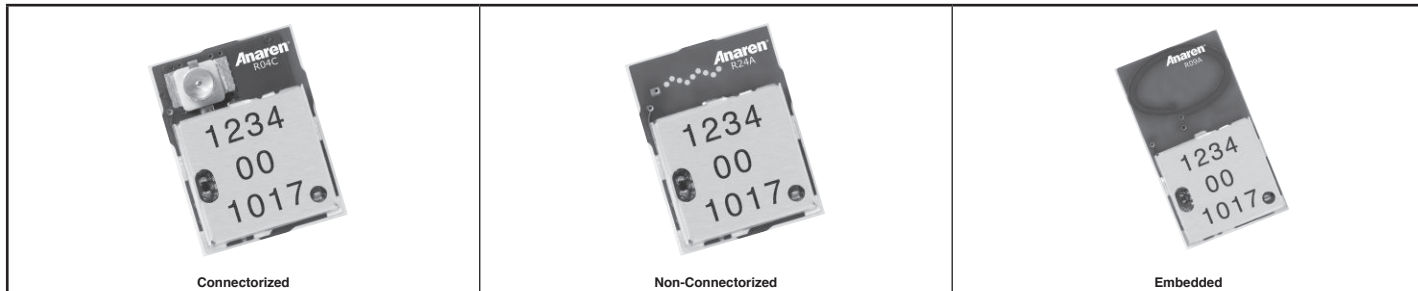
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## ANAREN INTEGRATED RADIO MODULES, ANTENNAS, AND DEVELOPMENT KITS

Leveraging Anaren's decades of experience in microwave and RF technology and Texas Instruments' world-renowned semiconductor technology, AIR offers you these top-level advantages:

Easy integration/implementation on existing, two-layer PCB  
 Virtually no RF engineering experience necessary  
 Tiny 9mm x 12mm x 2.5mm and 9mm x 16mm x 2.5mm footprints, across product family  
 FCC Part 15 and Industry Canada RSS-210 compliant, with no additional "Intentional Radiator" certification required  
 Choose embedded or connectorized antenna  
 100% RF-tested in production  
 Low power consumption

Choice of frequencies to match your application:  
 A1101R04C: 433-434.4MHz FCC compliant; device operating range 400-450MHz  
 A1101R08A and A1101R08C: 868MHz  
 A1101R09A and A1101R09C: 902-928MHz  
 A2500R24A and A2500R24C: 2400-2483.5MHz

### A1101R04C

The A1101R04C is a high-performance, FCC-certified connectorized radio module that incorporates the Texas Instruments CC1101 transceiver chip in the industry's smallest package (9mm x 12mm x 2.5mm).

MOUSER STOCK NO.	Anaren Part No.	Description	Form Factor	Price Each
620-66089-0406	66089-0406	Antenna for Module 04C	--	1.94
620-A1101R04C00GM	A1101R04C00GM	400MHz Radio Only	Connector	14.45
620-A1101R04C-EM1	A1101R04C-EM1	400MHz Evaluation Module With Radio For TI CC1101DK	Connector	39.99
620-A1101R04C-EZ4A	A1101R04C-EZ4A	400MHz Target Board With Radio For TI EZ430 Development Kit	Connector	39.99
620-A1101R04C-EZ4E	A1101R04C-EZ4E	400MHz Target Board With Radio For TI EZ430 Development Kit	Connector	39.99

### A1101R08A and A1101R08C

The A1101R08A/B are high-performance, ETSI compliant radio modules and connectorized radio modules that incorporates the Texas Instruments CC1101 transceiver chip in the industry's smallest package (9mm x 16mm x 2.5mm).

620-A1101R08C00GM	A1101R08C00GM	800MHz Radio Only	Connector	14.45
620-A1101R08A00GM	A1101R08A00GM	800MHz Radio Only	Antenna	14.45
620-A1101R08C-EM1	A1101R08C-EM1	800MHz Evaluation Module With Radio For TI CC1101DK	Connector	39.99
620-A1101R08A-EM1	A1101R08A-EM1	800MHz Evaluation Module With Radio For TI CC1101DK	Antenna	39.99
620-A1101R08A-EZ4A	A1101R08A-EZ4A	800MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	39.99
620-A1101R08A-EZ4E	A1101R08A-EZ4E	800MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	39.99
620-A1101R08C-EZ4A	A1101R08C-EZ4A	800MHz Target Board With Radio For TI EZ430 Development Kit	Connector	39.99
620-A1101R08C-EZ4E	A1101R08C-EZ4E	800MHz Target Board With Radio For TI EZ430 Development Kit	Connector	39.99

### A1101R09A and A1101R09C

The A1101R09A/C are high-performance, FCC-certified radio modules and connectorized radio modules that incorporates the Texas Instruments CC1101 transceiver chip in the industry's smallest package (9mm x 16mm x 2.5mm).

620-66089-0906	66089-0906	Antenna for Module 09C	--	2.64
620-A1101R09C00GM	A1101R09C00GM	900MHz Radio Only	Connector	14.45
620-A1101R09A00GM	A1101R09A00GM	900MHz Radio Only	Antenna	14.45
620-A1101R09C-EM1	A1101R09C-EM1	900MHz Evaluation Module With Radio For TI CC1101DK	Connector	39.99
620-A1101R09A-EM1	A1101R09A-EM1	900MHz Evaluation Module With Radio For TI CC1101DK	Antenna	39.99
620-A1101R09A-EZ4A	A1101R09A-EZ4A	900MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	39.99
620-A1101R09A-EZ4E	A1101R09A-EZ4E	900MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	39.99
620-A1101R09C-EZ4A	A1101R09C-EZ4A	900MHz Target Board With Radio For TI EZ430 Development Kit	Connector	39.99
620-A1101R09C-EZ4E	A1101R09C-EZ4E	900MHz Target Board With Radio For TI EZ430 Development Kit	Connector	39.99

### A2500R24A and A2500R24C

The A2500R24A/B are high-performance, FCC-certified radio modules and connectorized radio modules that incorporates the Texas Instruments CC2500 transceiver chip in the industry's smallest package (9mm x 12mm x 2.5mm).

620-66089-0906	66089-0906	Antenna for Module 24C	--	2.64
620-A2500R24C00GM	A2500R24C00GM	2400MHz Radio Only	Connector	14.45
620-A2500R24A00GM	A2500R24A00GM	2400MHz Radio Only	Antenna	14.45
620-A2500R24C-EM1	A2500R24C-EM1	2400MHz Evaluation Module With Radio For TI CC1101DK	Connector	39.99
620-A2500R24A-EM1	A2500R24A-EM1	2400MHz Evaluation Module With Radio For TI CC1101DK	Antenna	39.99
620-A2500R24A-EZ4A	A2500R24A-EZ4A	2400MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	39.99
620-A2500R24A-EZ4E	A2500R24A-EZ4E	2400MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	39.99
620-A2500R24C-EZ4A	A2500R24C-EZ4A	2400MHz Target Board With Radio For TI EZ430 Development Kit	Connector	39.99
620-A2500R24C-EZ4E	A2500R24C-EZ4E	2400MHz Target Board With Radio For TI EZ430 Development Kit	Connector	39.99

### A8520E24A91

The A8520E24A9X is a high-performance, \*FCC-certified radio module that incorporates the Texas Instruments CC8520 PurePath wireless audio SOC, 259X Range Extender, and integral antenna all in the industry's smallest package 11mm x 19mm x 2.5mm.

620-A8520E24A91GM	A8520E24A91GM	2.4GHz Range Extender, Internal Antenna	Antenna	29.50
620-A8520E24A91-EM2	A8520E24A91-EM2	2.4GHz Evaluation Board with Radio for TI CC8520DK Development Kit	Antenna	37.50

## BALUN TRANSFORMERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Anaren Part No.	Package	Frequency (GHz)	Power (W)	Unbalanced Port Impedance (Ω)	Balanced Port Impedance (Ω)	Insertion Loss (dB)	Amplitude Balance (dB)	Phase Balance (deg.)	RL Unbalanced (dB)	Price Each			
											1	10	50	100
620-BD0205F5050AHF	BD0205F5050AHF	1608	0.2-0.5	2	50	50	1.1	0.6	3	11	4.39	4.05	3.71	3.38
620-B0310J50100AHF	B0310J50100AHF	0805	0.3-1	2	50	100	1	2.8	36	8.1	.55	.51	.47	.43
620-B0322J5050AHF	B0322J5050AHF	0805	0.3-2.2	2	50	50	1.6	1.2	20	12.2	.75	.69	.63	.58
620-B0430J50100AHF	B0430J50100AHF	0805	0.4-3	1	50	100	4	1.4	12	8.4	.75	.69	.63	.58
620-BD0810J50100AHF	BD0810J50100AHF	0805	0.8-1	2	50	100	0.95	0.4	2	13	.39	.36	.33	.30
620-BD0810J50200AHF	BD0810J50200AHF	0805	0.8-1	2	50	200	1	1.1	8	14.5	.39	.36	.33	.30
620-BD0826J50200AHF	BD0826J50200AHF	0805	0.8-2.6	2	50	200	1.5	1.3	7	8.5	.55	.51	.47	.43
620-B0809J50ATI	B0809J50ATI	0805	0.85-0.915	2	50	50	0.6	-	-	15.3	.55	.51	.47	.43
620-B0922N7575AHF	B0922N7575AHF	0404	0.95-2.15	0.75	75	75	0.76	2.1	20.95	13.2	.33	.30	.28	.25
620-B0922J7575A50HF	B0922J7575A50HF	0805	0.95-2.15	2	75	75	1.1	1.4	9	12	.55	.51	.47	.43
620-BD1631J50100AHF	BD1631J50100AHF	0805	1.6-3.1	2	50	100	1	1	5	10	.39	.36	.33	.30
620-BD2425N5050AHF	BD2425N5050AHF	0404	2.4-2.5	0.75	50	50	0.9	0.9	7	15	.33	.30	.28	.25
620-BD2425N100ATI	BD2425N100ATI	0404	2.4-2.5	1	50	matched	0.8	-	-	17.3	.33	.30	.28	.25
620-BD2425N50100AHF	BD2425N50100AHF	0404	2.4-2.5	1	50	100	0.7	0.6	3	18	.33	.30	.28	.25
620-BD2425N50200AHF	BD2425N50200AHF	0404	2.4-2.5	1	50	200	0.7	1	6	21	.33	.30	.28	.25