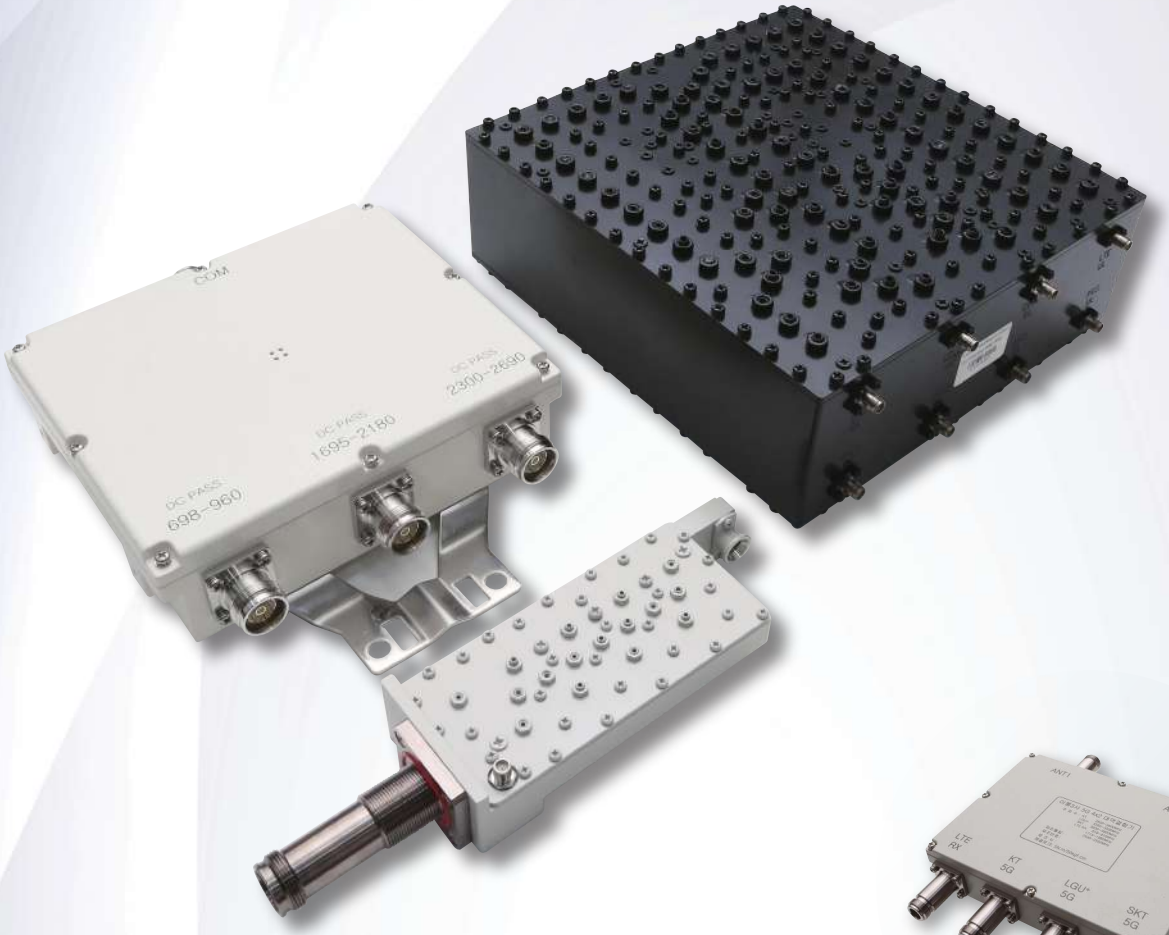
Qubicom is a network solution provider that leads wired and wireless communication. We offer various standards and custom designed M/W & RF Modules and Components such as Combiner/Divider, low pass, high pass, band pass, band reject and notch filters, as well as duplexers. Our products are primarily used in mobile communications, wireless connectivity such as 5G, LTE, WCDMA, and others.

QUBICOM
World Best Wireless Solution Provider

Overview of M/W & RF Modules and Components

- For Mobile service operators.
- For 5G, LTE and WCDMA System RU and Repeator.
- For other System such as LoRa



Domestic

1. Microwave and RF Filters

- Duplexing filter for 5G, LTE and WCDMA.
- Radio Interface Unit for combining between LTE and WCDMA.
- RF Rejection Filter for 2.1GHz Frequency.

2. Microwave and RF Components

- 17 types of Wideband Divider and combiner for 5G and LTE
- Combiner for 2.6GHz frequency band.
- 2x2 Hybrid coupler
- 4x4 Combiner for 3 major Korean mobile service operators

Global

1. Microwave and RF Filters

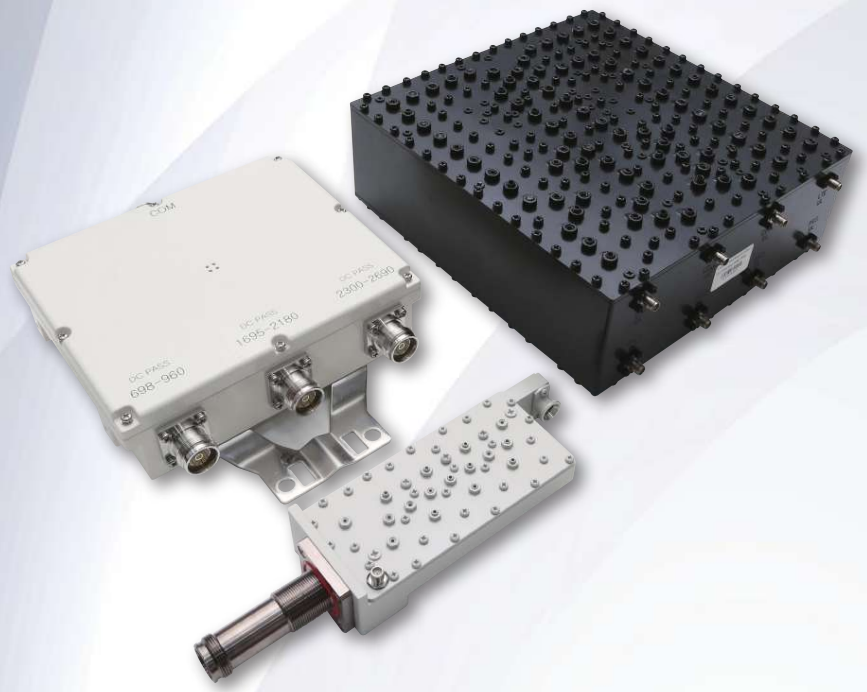
- Diplexer for POI System in America

2. Microwave and RF Components

- Combiner for Japanese 5G network.
- Combiner for DAS System in America
- Multiplexer for America
- 12 MUX for Europe

RF Filters

Very Compact size and High Reliable
Cavity and Ceramic Type filter



Feature

- High Rejection
- Low Insertion Loss
- Excellent Temperature Stability
- Customization available

Function

- BPF, BRF,LPF,HPF,Duplexe

RIU (Radio Interface Unit) Front-End

The Radio Interface Unit for
combining between LTE and WCDMA.

Feature

- High Power (TX 50W/RX 5W)
  and Low Loss
- 482.6 x 43.6 x 200(mm)
- For 19” Rack

Function

- Multiple RF Devices
  Connection
- Filters and Attenuators.
- Customization available
  upon request

Multi-band Combiners & DividersRF Filters

Power Combiners and Dividers for high power handling and wireless Infrastructure.

Feature

- Low Insertion Loss
- High Isolation
- Low PIMD
- High Reliability
  For all bands from GSM to 5G

Function

- Power Combiners & Dividers

5G Band Combiner

4X2(5G+existing network RX_PASS)

Requirement	Specification			
Pass Band	P1	P2	P3	P4
	3.5G(KT)	3.5G(LG U+)	3.5G(SKT)	LTE RX
	3600~3900MHz	3600~3900MHz	3600~3900MHz	819~915MHz 1715~1980MHz 2500~2550MHz
Insertion Loss	4.5dB max			
Reflection loss	18dB min (INPUT)			
Inter-port isolation	20dB min (P1↔P2, P3, P4↔P2, P3) / 30dB min (P2↔P3, P4↔P1)			
Intermodulation(2 x 43dBm)	3rd-150 dBc, min / 5th-160 dBc min (5G band base)			
Maximum Allowable Power	Max. 100W (Each Port) (5G band base)			
Input Connector	N(F)			
Temperature/Humidity	Temp : -30°C ~ +60°C, Humi : 5~95%			
Dimension	168 X 124 X 53.5			

Arrester Coupler

Very Compect size and High
Reliable surge arrester and Coupler

Feature

- Low VSWR
- Low Loss

Function

- TX Monitoring for RRH
- Surge Arrester

Specification

Parameter		Specification	Comment
Operating Frequency		2520 ~ 2660MHz	
Impedance		50Ω	
Insertion Loss		0.15dB max.	RPU-ANT
Coupling Level		30 ±0.5dB	TX CPL → RRU
Isolation		50dB min.	TX CPL → ANT
VSWR	PRU, ANT	1.2 : 1 max.	
	TX CPL	1.3 : 1 max.	
PIMD		150.0 dBc min.	20W 2tone
RF Power		500Watt peak, 250W Avg.	
Operating Temperature		-30°C ~ +70°C	
Surge Current		6KV / 3KA (1.2/50us, 8/20us)	DC Block
Environmental Rating		IP-67	
Finish		DIC-547	
Connector Type		RPU : 7/16 DIN Male	
		ANT : 7/16 DIN Female	
		TX CPL : SMA Female	Metal Dust Cap
Size		45.0 X 32.0 X 30.5	Exclude Connector, Bracket