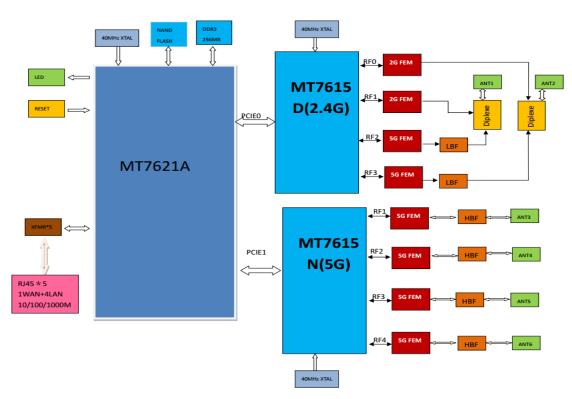
BLOCK DIAGRAM AND THEORY



The MT7621A integrates a dual-core MIPS1004Kc(880MHz),HNAT/HQoS/Samba/VPN accelerators,5-port GbE switch,RGMII,USB3.0,USB2.0,3xPCle,SD-CX.The powerful CPU with rich portfolio is suitable for 802.11ac,LTE cat4/5,edge,hotspot.VPN,AC.It can also connect to touch-panel,ZigBee/Z-wave for Internet Service Router an Home Security Gateway.

The MT7615D is a highly integrated Wi-Fi single chip which supports 1266Mbps PHY rate. It fully complies with IEEE 802.11ac and 802.11a/b/g/n standards,offering feature-rich wireless connectivity at high standards,and delivering reliable,cost-effective throughput form an extended distance.

The MT7615 is a highly integrated single-chip which supports 1733Mbps PHY rate.It fully complies with IEEE 802.11ac and IEEE 802.11a/b/g/n standards,offering feature-rich wireless connectivity at high standards,and delivering reliable,cost-effective throughput from an extended distance.

This product is high power design, 2.4 and 5G external high power FEM

WIFI supports 6 antennas, two dual-band antennas and four 5G single-band antennas with an antenna gain of 5dBi.