

Brief description of RF generation

When Transmitting, IC RT2860 deal with PC 's digital Signals to Baseband Signal and trans to IC RT2820 (Trans and receiver processor) and then send to IC SST12LF01 to amplify the RF signal and then send to Antenna and then send out.

When Receiving , Antenna receive the RF signal and send to SST12LF01 to amplify the signal and send to RT2820 to deal with, and then send to RT2860 to trans signal to which PC can use .

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2008-6-25

Specification of the Equipment

1. Product name : 300Mbps 11n wireless LAN PCI Adapter
Type: HWNP-300
2. Input power : DC 3.3 V, _____A; AC _____V, _____A
3. Frequency Band: 2.400-2.462GHz
Carrier Frequency: 2412-2462MHz
4. Number of Channel: 1-11
5. RF Output Power (ERP or EIRP) : about 11n(15dBm);11g(15 dBm);11b(17 dBm).
6. Modulation Type: DSSS and OFDM
7. Mode of operation (duplex, simplex, half duplex) : Half duplex
8. Bit Rate of Transmission: up to 300Mbps
9. Antenna Type: Omni antenna
10. Antenna gain: 2 dBi
11. Operating Temperature Range: 0-50degree
12. Channel bandwidth : 20MHz to 40MHz