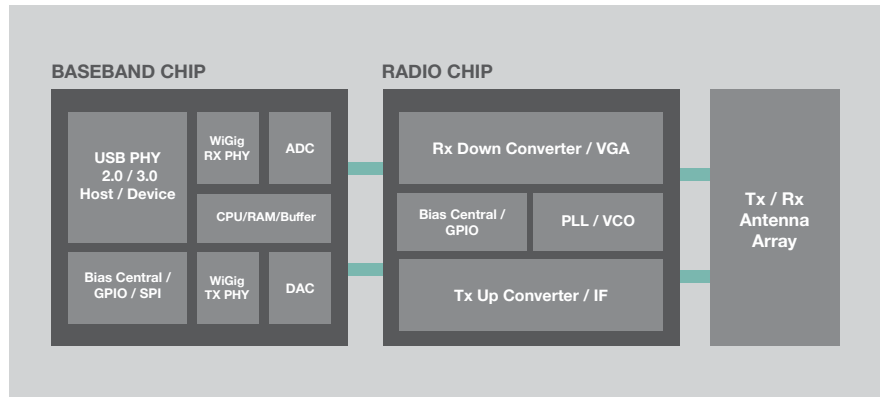


5U1E1814PP01 OVERVIEW

The 5U1E1814PP01 powered by Mr.Loop for 60GHz (IEEE 802.11ad) application, which includes radio and baseband chip sets with phase array. 5U1E1814PP01 can act as USB3.0 network adapter to communicate with IEEE 802.11ad Router.



FEATURE

- Phase array (4Tx/4Rx)
- Adaptive beamforming algorithm for RF link budget
- IEEE 802.11ad Compliance
- Bi-direction communication
- 330 degree coverage (X-Y plane)
- USB3.0 plug and play
- 1Gbps @ LOS 10 meters
- Size: 43mm X 24mm

RADIO/BASEBAND CHARACTERISTIC

- Direct-Conversion
- Support Ch1 /58.32GHz, Ch2 /60.48GHz, Ch3/62.64GHz, Ch4/64.8GHz
- Support MCS 1~9 (phy rate up to 2.5 Gbps)
- Ave EIRP 18dBm
- EVM: -22 dB, NF: 6.5dB
- Sensitivity -62dBm @ MCS9
- Modulation by BPSK, QPSK and 16-QAM

- Radio power consumption
Tx: 1060mW, Rx: 640mW

DRIVER SUPPORT

- Windows 8/Windows10
- Linux kernel 3.19~4.4.X

CERTIFICATION

- FCC approved for indoor use

CONNECTION INTERFACE

- USB 3.0

