



Unrivalled ready-to-use WiGig RFIC for 57 – 71 GHz

The license free 60 GHz band enables new opportunities to operators where high data rates and range are of essence. The SiversIMA TRX BF/01 supports the full frequency range from 57 to 71 GHz with speeds up to 7 Gbit/s and beyond, long-range. The perfect choice for unlicensed 5G.



Key features

- 57-71 GHz
- Optimized for 802.11ad/WiGig
- Supports FDD utilizing two transceivers
- Supported throughput 7 Gbit/s
- Enables 64 QAM and beyond (with internal LO)
- Superior phase noise
- 16+16 Tx/Rx Array
- Direct conversion I/Q transceiver
- Integrated beam book for instant beam steering/forming
- Zero-IF with 1.2 GHz bandwidth
- +25 dBm combined linear output power
- 7 dB NF (Noise Figure)
- eWLB (embedded Wafer Level Ball Grid Array) packaged device
- Seamless low cost modem integration through integrated analog baseband (BBTx and BBRx)
- Future-proof pre-802.11ay support

We make your connections

SIVERSIMA



The award winning TRX BF/01, is a WiGig/802.11ad compliant 16+16 channel beam forming transceiver Radio Frequency Integrated Circuit(RFIC) with integrated synthesizer. It supports any mmWave modem with zero-IF interface. Today the transceiver fully supports the RapidWave™ RWM6050/51 mmWave modem from IDT and CLOPTech's WiGig modem CT6100. Both create ready-to-use 802.11ad (WiGig) communication modules.

The TRX BF/01 can transmit higher data rates at longer distances with greater robustness to interferers. These features enable an extra dimension of flexibility to the final product including TRX BF/01.

The transceiver supports the full temperature range of -40 to +85 deg C, a unique wide band coverage of 57-71 GHz, superior link budget, flexible channelization and excellent Error Vector Magnitude (EVM) performance which enable 64 QAM modulation or more (compared to standard WiGig of 16 QAM). All of which makes the TRX BF/01 uniquely well fitted for outdoor infrastructure applications.

