

Operational Description

Bluetooth Headset
FCC ID: ZGL-Q11

The IS1632N is an integrated monolith chip for Bluetooth mono headset application. It is a single-chip Bluetooth v2.0 + EDR baseband with an integrated transceiver.

The IS1632N integrates most external components for a mono headset including voice codec, Li-Ion battery charger and a low drop regulator. The reductions of external components can be used for a tiny headset easily.

A new voice manage structure achieve lower noise level and higher signal level. This implementation improves the audio quality to fit to human's vocal experience and keep audio quality even under terrible environment.

Operating Frequency	2402 – 2480 MHz
Output Power	BT (1Mbps): 2.70 dBm BT EDR (2Mbps): -0.21 dBm BT EDR (3Mbps): 0.78 dBm
Modulation	BT (1Mbps): GFSK BT EDR (2Mbps): $\pi/4$ -DQPSK BT EDR (3Mbps): 8-DPSK
Number of Channels	79
Antenna Information	Integrated Antenna / 0.82 dBi
Power Supply	Internal 3.7 V Li-Ion Battery

During charging process, the BT transceiver is automatically deactivated.