

1. Exclusive millimeter-wave technology

E-Band Communications has developed the best millimeter-wave technology. Currently, there is only one source for a full set of monolithic millimeter-wave integrated circuits (Northrop Grumman). E-Band Communications has an exclusive license arrangement for Northrop Intellectual Property. Based on that license arrangement, E-Band and Northrop Grumman re-designed their MMICs and significantly improved performance by integrating single-function MMICs into multifunction chips. For example, our Power Amplifier chip's output power is superior to competing products. E-Band Communications is the only company that can use those MMICs for commercial communications. All of our competitors only have access to previous generation single function devices that are lower performance and higher cost. With rights to these MMICs, we designed the industry's best millimeter-wave transceiver module and implemented it into our commercial radios.

2. Market leadership

Because of our superior technology, our company captured 58% of the US market in 2009 (source: publicly available annual FCC license data). For 2010, we are leveraging this position and growing exponentially in international markets. This leadership position enables economies of scale advantages and lower costs for our customers.

3. Our products are proven and extremely reliable

We have over 2000 radios in the field in the US and internationally and we are the preferred vendor for leading 3G/4G carriers. Customers have achieved extremely high degrees of reliability with our solutions in over 20 metropolitan area networks in the U.S. and internationally.

"In our multi-vendor, multi frequency band strategy, E-Band is currently our number one supplier in terms of product quality and reliability, price/performance ratios, and technical support. More importantly, we have had zero operational failures due to an 80 GHz E-Band radio." (E-Band 3G/4G carrier customer)

4. Highest output power in the industry

Our E-Link1000EXR has +22dBm of output power and excellent link margin, the best in the industry. This enables the longest 70 / 80 GHz link distances in the world.

5. Low latency (5 microseconds)

This is essential for handling multi-media and voice over internet calls.

6. Designed by E-Band's in-house R&D/engineering team

All products are 100% designed by our own engineers and we own all the designs and the MMICs. The radios are assembled in San Diego, California, just minutes from E-Band's engineers and design lab. We manufacture hundreds of radios a month and have capacity to quickly increase to thousands per month.

7. Lowest cost/highest value radios available

We own our own MMIC chips and they are highly integrated. This, and other design advantages, enables us to utilize significantly fewer chips, compared to our competitors.

8. Ability to handle jumbo packets and Ethernet protocols

All of our solutions are transparent to jumbo packets and Ethernet timing protocols such as SyncE and IEEE 1588v2.

9. In-house research and development team and lab

E-Band is dedicated to constant product improvement and maintains an extraordinarily high ratio of Engineering, Research and Development personnel.

10. New, innovative product additions (second half of 2010)

During the second half of 2010 we will introduce new products and numerous configurations. Here are just a few:

- E-Link1000Q: A QPSK based bandwidth efficient and frequency agile product.
- New 2.5 Gbps configuration: This solution can provide up to 2.5 Gbps GigE transmission using a dual polarization adapter that is based on advanced OMT technology. In addition to 2+0 capability, this unit enables our customers the option of 1+1 protection of their multi-gigabit networks.
- E-Link Universal Signal Processor: This optional indoor universal signal processor allows our radios to transport TDM based traffic. It is highly flexible and has replaceable modules for different interfaces. It can handle 2xE1 plus GigE, 64xE1 plus GigE and up to 3xSTM-1 interfaces plus GigE.