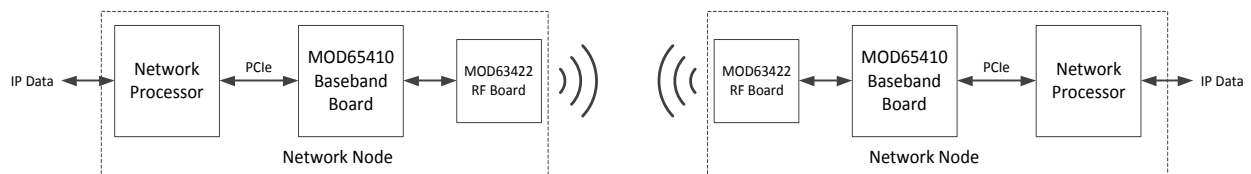# 1. General Description

The Lattice MOD65412 Wireless Link Module Set is a two-board wireless link evaluation platform that includes a MOD65410 baseband board that conforms to the PCI Express (PCIe) Half-Mini Card specification and a MOD63422 RF board that includes a printed circuit board (PCB) antenna. The baseband board contains the SB6541 device, a single-chip IEEE 802.11ad-based baseband processor for industrial, and communication applications. The RF board contains the SiI6342 device, a 60 GHz RF transceiver for medium-range access, backhaul, and bridging applications. The baseband and RF boards are connected by a Flexible Printed Circuit (FPC) cable.

The module set can be integrated with a host network processor via PCIe to provide wireless station (STA) or access point (AP) functions in a gigabit network link.

1.1. Applications

- Fixed wireless broadband backhaul and access
- Indoor/outdoor Wi-Fi wireless backhaul
- Indoor/outdoor 4G LTE small-cell wireless backhaul
- Municipal and Enterprise backhaul

Figure 1.1. Typical Application

1.2. System Description

Please refer to sections 1 and 2 of the user manual

Figure 1.2. Typical Application