



### Signals processing:

**PC Transmit:** Ethernet signals pass to PHY, then converted to MII signals. The INT6400/6300 modulates them to power line signals, and send to the AFE. After amplified by AFE, the power line signals are filtered and coupled into AC power lines.

**PC Receive:** Power line signals are coupled into SM6400/6300 module from the AC power lines. They are filtered and sent to AFE. AFE amplified this signals, then pass them to INT6400/6300. The INT6400/6300 demodulate them into MII signals. PHY gets these signals and send them to PC.

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