



Skyway 4000 Operational Description

Skyway 4000 Series is a high capacity wireless bridging and/or routing system. It makes use of OFDM digital modulation in the 4940 MHz to 4990MHz frequency band. The transceiver is integrated into the antenna. The unit is tuned to the right frequency and power level by software as soon as it is powered up. The system is intended for outdoor use such that the integrated transceiver and antenna is mounted outdoors and a single Ethernet cable connects it to the power supply and indoor user's network. That is, it incorporates POE (power over Ethernet). The DC Power is injected into the Ethernet cable via an indoor Power Injector Unit (PIU). The PIU has two inputs, power supply and Ethernet, and one output, the POE. Unit will be professionally installed. The Skyway 4000 Series comes in a variety of flavors. These include both Point-to-Point bridges and Point-to-Multipoint Routers with various EIRP dependent on which antenna is used.