

The Wireless Network System provides coverage by routing RF signals from BTS (base transmit station) units, through optic fibers to remote areas where the signals are converted back to RF and interfaced to antennas covering the remote area. All system elements can be remotely controlled and monitored from a single location.

**The system consists of the following elements:**

**Base Unit (BU)** – Convert the RF signal received from the RIU to an optic signal that is then split and routed via optic fiber to Remote Hub Units located in remote locations.

**Remote Hub Units (RHUs)** – Convert the optic signal to an RF signal and feeds it to the antennas in the remote areas in order to provide the required coverage. The RHU provides coax connections to up to four antennas. The RHU filters and amplifiers the optic signal received from the BU according to the service it supports.