



## LTE-A BASE STATION

The ULAK LTE base station is an LTE-Advanced product actively used in commercial service sites. Operating in Frequency Division Duplexing (FDD) mode, the ULAK LTE base station provides users with improved coverage and higher capacity, enabling high-speed broadband wireless access. It supports advanced LTE features such as 3CC

Carrier Aggregation, 4x4 MIMO, 256QAM, and satellite connectivity. Designed to operate in extreme conditions ranging from -30°C to +55°C, the ULAK LTE base station is composed of three main components, the Baseband Unit (BBU), the Remote Radio Unit (RRU), and the Operations, Administration, and Maintenance (OAM) system.



## BBU

The BBU component consists of a power board, fan modules, air filter, BBCA-baseband processing board, and BBCA-control boards. It has 3 baseband unit slots and 2 baseband control card slots. The number of cards can be scaled according to capacity needs due to its slotted structure. It provides all voice and data services.



## RRU

ULAK LTE RRU is an outdoor remote radio unit actively used in commercial service sites. There are versions of the ULAK LTE RRU that support the 800Mhz/1800Mhz/2100Mhz and 2600Mhz bands. The product has four power amplifiers with 40 Watts each, enabling simultaneous transmission over four channels.



## OAM

- Easy node setup, deployment, and management
- Security, authentication, and user authorization
- Automatic and pre-configuration for new devices
- GUI-based local and remote web management
- HP Temip, IBM Netcool, Optima integration
- Opex and capex cost reduction
- Dynamic network management
- Rapid network configuration
- Scalability
- Flexible
- Real-time alarm and performance monitoring