

ULAK

(4.5 G/LTE ADVANCED)
COMMUNICATION SYSTEM



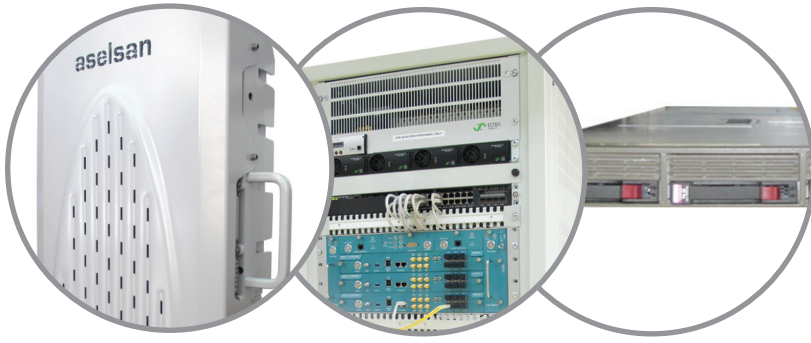
Remote Radio Unit (RRU)



Base Band Unit (BBU)



SON & OAM Server



ULAK

(4.5 G/LTE ADVANCED) COMMUNICATION SYSTEM

Commercial & Public Safety 4.5 G/LTE-Advanced Macrocell Base Station

- 3GPP Release 10 & Release 11
- 450 MHz, 800 MHz, 1800 MHz, 2600 MHz Frequency Bands
- Dual Frequency Remote Radio Unit (RRU)
- 1.8 Gbps Downlink Throughput (4.5 Gbps in the Roadmap)
- Multiple Input Multiple Output (4x4 MIMO)
- Carrier Aggregation
- Coordinated Multi Point (CoMP)
- Evolved Multimedia Broadcast Multicast (eMBMS)

Road Map

- Release 12-13-14 Features
- 5 Carrier Aggregation
- 8x8 MIMO
- 900MHz, 2100MHz Frequency Bands

- Further Enhanced Inter Cell Interference Coordination (eICIC, eICIC, feICIC)
- Energy Saving
- Self Organizing Networks (SON)
 - Self Configuration
 - Self Optimization
 - Self Healing
- End-to-end encrypted communication for Public Safety with crypto application developed on UEs

Product Types & Usage Scenarios:

Commercial 4.5 G/LTE-A Macrocell Base Station



Public Safety 4.5 G/LTE-A Macrocell Base Station

4.5 G/LTE-A Military Communication System (LTE-A based wideband waveform)

