

NETWORKING THE 1ST-IN COMMUNICATOR

KLAS PIONEER 4600

WITH CELLULAR BASE STATION

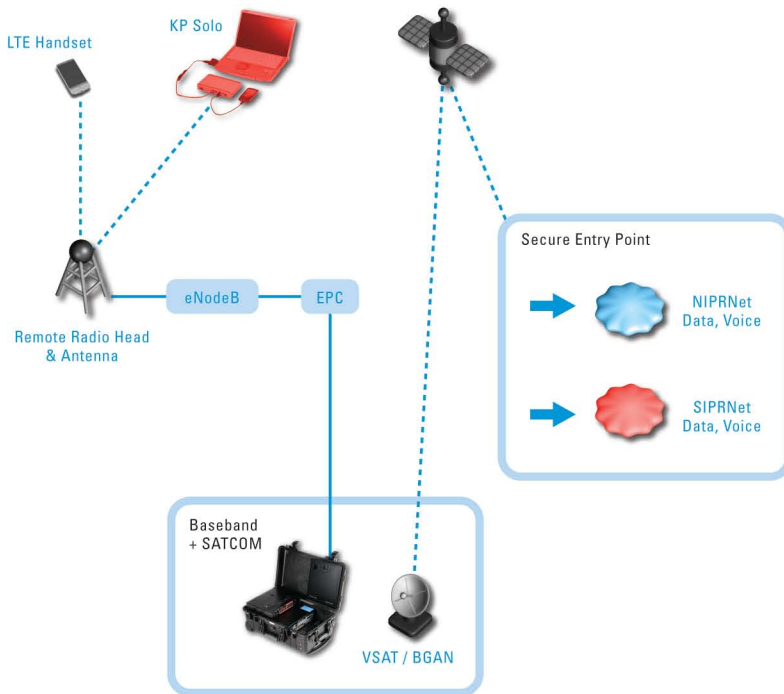
The Pioneer 4600 multi-enclave system has been expanded to provide a 4G LTE Base Station. This module provides a complete 4G Core Network (EPC) and eNodeB which can be slotted into the existing Pioneer 4600. The module when interfaced to a Remote Radio Head and omni-directional antenna can provide a range of 1 mile and data rates up to 80Mbps in the smallest package on the market. The base station can operate both in stand-alone mode or alternatively use any IP backhaul such as Inmarsat BGAN, VSAT.



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Key Features

- Complete 4G LTE Base station as a module in KP4600
- Interfaces to RRH and antenna for range of 1 mile and 80Mbps throughput
- Range can be extended with additional eNodeB modules



Specification

Size

- LTE Core Network:
- Remote Radio Head:
 - 9.8" x 13.8" x 5.9"
 - 250 x 350 x 150mm
 - Antenna:
 - 5' / 1.5m

Weight

- LTE Core Network
5 lbs / 2.2 kg
- RRH: 21 lbs / 9.7kg
- Antenna
4.4 lbs / 2 kg

LTE Module

- Mindspeed-based AMC card for each of EPC and eNodeB
- MicroTCA backplane chassis
- Powered from KP4600

RRH

- 700 MHz FDD with 2x2 MIMO

Antenna

- Omni-directional fibreglass radome

