

Emergency Communication Mobile Super Base Station

Access to reliable communications services is a key factor in any emergency situation. ASTRI has succeeded in producing a mobile base station that allows for cost-efficient, low-latency, and stable ...

An emergency communication system is necessary for first responders, who need to enter areas with no network coverage or damaged network infrastructure due to n

Mobile base stations (COWs - Cell on Wheels) are deployed to the affected area. Satellite-supported emergency stations provide backup traffic channels. Critical infrastructure sites are...

We propose a mechanism to deploy UAVs as aerial base stations to provide network connectivity, QoS support, and reliable communication in a flash crowd and emergency situations.

Ideal for agencies who utilize rental cars, this aluminum lockable suitcase is ideal for "jump and run" scenarios when immediate and clear communications are a necessity. Its ...

At the same time, unusual peaks in traffic load could lead to much higher blocking prob-ability for critical communication. A possible solution for such scenarios is through the use of mobile cellular base ...

Land Mobile Radio (LMR) is the Army's primary voice capability for first responders. LMR provides secure, portable communications; network coverage on/off Army cantonment areas, housing and...

The base station carried by the movable platform can react to changes in the network in real time, allowing more flexibility and introducing a new degree of freedom for the emergency communication ...

We develop a prototype of a proposed mobile base station and test its operation in an outdoor environment. The experimental results provide a sufficient data rate to make an independent mobile ...

The Emergency Base Station Cabin represents a paradigm shift in telecommunications infrastructure deployment. By combining rapid deployment capabilities, technical reliability, and cost ...

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