

Emergency Preparedness Mobile Communications System (EPMCS) Fact Sheet



Mobile Command Centers provide on-scene, real-time command, and control and communications functions for Law Enforcement, Emergency Medical Services, Disaster Relief, SWAT, and other city, state, local, and federal municipalities. Standard equipment may include conferencing, cell phone, landline, fax, and radio capabilities plus monitoring surveillance equipment and generator.

With the advent of September 11th, Homeland Security dictates the need for a fully self-contained mobile command post as a necessity. As public service providers, agencies respond to a broad range of emergency situations—from street crimes to sexual assaults, from traffic accidents to domestic disturbances, even major disasters and terrorist attacks. As a rule, most emergencies are handled by one or more responding units, generally in their own districts.

However, what happens when an agency must respond to a major disaster, such as a plane crash or a building collapse that requires hundreds of workers to handle both rescue efforts and crowd and traffic control? Unless the department serves a major metropolitan area where officials can muster multiple agencies in a short period of time, the result is usually an uncontrolled, disorganized response. Many manufacturers offer custom-built mobile command units that can be used to organize under one command during full-scale incidents.

But even today's mobile command posts are at risk of losing their redundant communications in the event of a major disaster or terrorist attack. EDGE Access, Inc.'s EPMCS can eliminate that risk.

Key Components:

Mobile Satellite System

A mobile satellite dish mounts on top of your specialty vehicle. Software on your computer makes the dish automatically rise up and lock on the satellite in about 5 to 10 minutes. Once locked on, you're online at broadband speeds anywhere, anytime, all the time. While a monthly Internet Access rate for mobile systems would apply; there are No-Per minute fees. You can use the Mobile system most anywhere in the US, Parts of Canada and Mexico.



Mobile Internet Service Provider (ISP)

People want access to information while on the move. A mobile internet service environment can deliver secure access to headquarters for dispatch and intelligence information anywhere, any time to your mobile office.

Today your vehicle can access the Internet at DSL speeds from any location in North America with the simple click of a mouse. Mobile Broadband is the solution that allows the flexibility of online connectivity to do business from anywhere.

Get download speeds of up to 400 Kbps down (about 10 times faster than a dial-up modem) and upload speeds from 30 to 90 Kbps (about twice as fast as a standard dial-up modem) with 7-24 technical support for any problem you may be experiencing with the satellite system.

Voice Over Internet Protocol (VOIP) System

The VOIP system is the critical component of the EDGE Access offering.

Mobile Communications



The system requires a few basic computer skills to operate. To deploy and stow the dish it is really as simple as a single mouse click. Once the dish is deployed, connection to the ISP for access to your facility for both voice and data are automatic, no user intervention is required.

The 48" tall satellite dish (when deployed) accompanied with a controller (SCU) and a set of satellite modems delivers download speeds in excess of a T1 line and upload speed outpacing the standard dial-up 56Kbps modem two to three fold.

The benefit to the command vehicle is real time voice and data communications without dependency.

Some of the other benefits are:

- ✓ Wireless Access Point- enabling wireless devices such as PDA's and laptops
- ✓ VPN- a secure virtual private network that brings headquarters on site.
- ✓ Web Enabled- the system is configurable from anywhere on your network
- ✓ Encryption- triple DES encryption for the VPN
- ✓ NAT Firewall

Additional possibilities:

- ✓ Video- once stationary, the vehicle can receive real time full-motion video
- ✓ Dispatch- from the scene real time dispatch is now possible.

Headquarters

The trunk gateway device takes the voice packets off of the data network and converts them back to voice for delivery to either a telephone system or the PSTN. The gateway is capable of converting packets from the mobile command vehicle and also from any other deployed VOIP device incorporated into the data infrastructure.

With the advance of VOIP over the last several years, the probability is high that any newly acquired telecommunication or data systems include one of the standards.



The Edge Access EPMCS will plug right in.