

TacticalMCS (Man Portable Communications System)

The VisionComms TacticalMCS series is designed specifically for fast and simplistic establishment of tactical communications whenever and wherever conventional connectivity of “reach-back” may not be available due to collapse of hard infrastructure or in remote regions where communications infrastructure does not exist. The system is deemed First Responder Friendly because it sequentially boots all systems with the activation of one button. The TacticalMCS is designed to establish command, control, communication and computer (C4) field communications under any conditions. The solution is not only designed for first responders, but can be a valuable asset for school and hospital campuses, large utility and manufacturing facilities or other institutions and services where being able to communicate is a critical asset.

What is the purpose of the TacticalMCS?

The TacticalMCS is a fly-away kit which provides the necessary resources to provide instant communications to establish command and control capabilities in a small lightweight ruggedized carrying case for all conditions. The standard system includes a built in PBX server, desktop VoIP phone, wide area network (WAN) and local area network (LAN) ports allowing for internet and local connectivity, a WiFi antenna, options for portable WiFi SIP phones and multiple power connection options. Understanding that one solution may not meet the requirements of every customer the TacticalMCS is a customizable device dependent upon YOUR agencies needs.

How does the TacticalMCS connect to the world?

The system allows access to the internet through any WiFi enabled device to transmit email, data, photos and video. The systems architecture utilizes a multiple tiered approach to ensure communication capabilities are always a finger tip away. These are WiFi, broadband via 3G\4G and/or satellite connectivity via BGAN or VSAT or any other available IP based technology. The systems area of coverage is easily expanded by the use of optional Tactical Extension Kits – tri pod mounted nodes that may be equipped with observation cameras. Furthermore, the system allows integration into existing MESH networks and is compatible with any outside communications systems.

How portable is the TacticalMCS?

Following the recommendations of DHS the TacticalMCS is designed to be single person portable. The system is designed to carry-on to any commercial, military and/or chartered aircraft. It is also designed to carry a customer specified BGAN antenna in the case. The system is available with several portable power options including rechargeable batteries, solar power, and an assortment of domestic and international power plugs.

“When all else fails, depend on us”

SPECIFICATIONS

LENGTH: 20.62" WIDTH: 16.87" HEIGHT: 8.12"
WEIGHT: WITHOUT BGAN - 22 LBS WITH BGAN - 27.5 LBS

LENGTH: 52.37 CM WIDTH: 42.84 CM HEIGHT: 20.62 CM
WEIGHT: WITHOUT BGAN - 9.97 KG WITH BGAN - 12.47 KG

INPUT VOLTAGE

6.0 TO 30 VDC



TECHNICAL SPECIFICATIONS



- Full featured PBX server
 - Voicemail
 - Caller ID
 - Conference Bridging
 - Automated Attendant
 - Call Forwarding
- Three (3) LAN interface ports for additional desk phones, computers, etc.
- Two (2) WAN interface ports for 3G/4G, BGAN, VSAT or other broadband connections
- Automatic failover to ensure continuous connectivity
- High power 802.11 a/b/g hotspot
- High gain WiFi antenna
- 3G/4G mobile broadband router
- Ruggedized and waterproof carrying case
- DC Input: 6 to 30 VDC wide input
- External AC/DC power brick 110/220V
- 12 VDC auxiliary output power

MCS 100



The MCS200 is equipped with all the standard features of the MCS100 with the added capabilities of radio interoperability.

Radio interoperability is achieved by the addition of the following components:

- ACU-M
 - Interconnect radios of any band including HF, VHF, UHF, 800 MHz and Nextel iDEN phones
 - Interconnects four (4) audio devices
 - Transportable case with battery
- Battery charger AC/DC cords
- ARA-1 Analog Radio Adapter

MCS 200



- Solar Pack Power Kit
- Rechargeable Battery Pack
- Wireless SIP Phones
- VoIP service plans
- FlyAway Satellite Internet Systems

FlyAway Satellite Internet Systems

- Satellite service plans
- FXO\FXS Port for fax capabilities
- Multiple port 3G\4G Broadband connection modem
- BGAN Satellite Internet Systems

BGAN Satellite Internet Systems



ACCESSORIES

* Equipment subject to change