

COMMUNICATIONS ANYTIME, ANYPLACE, ANYWHERE SIMPLE, LOW-COST, PROVEN



- ✓ ONE DEVICE ...UNLIMITED APPLICATIONS
- ✓ REAL-TIME INTEROPERABLE COMMUNICATIONS
- ✓ MINUTES TO DEPLOY
- ✓ EASY ADMINISTRATION
- ✓ AES 128 ENCRYPTION, AES 256 AVAILABLE
- ✓ RUGGED SEALED IP67, Mil-STD-810C
- ✓ INCIDENT MANAGEMENT
- ✓ STACS AS A SERVICE



Dimensions 8"x 9"x 2"
Weight 4.5 lbs

STACS

Smart Tactical Advanced Communications System

408-385-2670
www.stacsondemand.com

STACS® History

The *Smart Tactical Advanced Communications System* "STACS" deployed and operational since 2009, delivers reliable communications for daily operations, routine and emergency communications. The STACS systems have been Tested, Approved for use by DHS for Border Security, the Defense Intelligence Agency (DIA), successfully tested by the Special Operations Command (SOCOM), and deployed in the Haiti relief effort, and in the States of Arizona, California, Louisiana, Massachusetts, and Washington.

Introducing the STACS 200IH

The STACS 200IH (Integration Hub) introduces a new level of integration requiring only One interchangeable device enabling Voice, Data, ROIP, Video, Sensor information while hosting and providing the capability of real time incident information management. The Integration Hub was designed to link new and existing communication assets and interoperate across all agencies and geographies in a wide range of field, vehicle, site, and platform applications. The STACS Integration Hub is designed for virtually any user application and is ideal for Public Safety, Department of Homeland Security, Disaster Relief Worldwide, Military Operations, and Critical Infrastructure. STACS is designed to allow any minimally trained user to be operational in less than 5 minutes, unlike current solutions requiring complex deployment instructions and technicians.

Simple To Use

STACS is designed to be operated by the non-technical user. Turn on the power button and you are ready to communicate in minutes. Truly Plug-n-Play, never has there been a more advanced and complete solution that requires virtually no training or certification.



STACS Series 200 Unique Technologies

- Reconfigurable Software Defined Networks
- All communications encrypted using PKI and AES encryption
- BYOD (*Bring Your Own Device*) VOIP support for Android(tm) and IOS(tm)
- Dual ROIP* interfaces for local and remote bridging
- Long Range Wireless Support
- Internal Firewall / DMZ / VPN Gateway
- Actively Manage Operation Templates
- Manage and Control from Any Device
- Secure Communications Key Server
- Notebook Radio Interface
- Bridge Recording and Audit Available



Technical Features:

- IP-67 Rugged Sealed communications module
Dimensions ~8.0" x 9.0" x 2.0" weight 4.5 lbs.
- Three Ethernet ports
 - Port 1 – 802.3af (POE), default configuration: LAN
 - Port 2 – 802.3af (POE), default configuration: LAN
 - Port 3 – default configuration: Aux WAN
VSAT, building Ethernet, WiFi, et al
 - All ports can be configured to: LAN, Guest LAN (Internet access only), Aux WAN, Mesh, Sensor modes via a built-in web interface. Devices can be reconfigured remotely and the default configuration can be modified.
- 802.11n/g/b WiFi with 2x2 MIMO
- Ubiquiti UniFi AC/LR radio for extended WiFi coverage
- Two ROIP ports – RJ-45 Interface
- Two USB 2.0 host ports support: Aircards, MiFi™ adapters, WiFi adapters, External storage (flash/external HDD), Sensor network adapters (RS-232/422/485, Zigbee), USB hub & STACS 200RM-2 adapter(s)
- Support for firmware upgrades on USB flash devices or downloaded over-the-air.
- GPS with tracking and automatic clock synchronization
- Android™ and Windows™ based management and status interface
- Android™ Device Ready
- Windows™ ROIP client for local or remote use/Android client available Q4 2016
- AES 128 Encryption Keys are Standard with AES 256 available. System authentication is done using RSA-2048 with a simplified PKI infrastructure. STACS operates with SecNet and ViaSat crypto appliances.

Power Management

- 148Wh Polymer Lithium battery, UN38.3 rated for air transport, 20 hour typical runtime with no POE devices, minimum of 6 hour runtime fully loaded (12 hours with BGAN and one VOIP desk phone)
- Extremely rugged power conditioning for dirty/intermittent power sources, device will not be damaged by up to 100V DC applied to 36V DC input continuously or 8000V ESD strike.
- Intelligent charging system for internal battery providing up to 5 years of service life.
- Zero discharge power management system allows storage without charging for 3 months with over 80% of full charge available
- Maximum Power Point Tracker (MPPT) support for maximum efficiency when used with solar power solutions
- 100-260V universal AC adapter with standard detachable AC power cord
- Phones can be charged from USB ports while unit is on or while the unit is supplied with external power
- Auxiliary adapter provided to charge all handsets concurrently from external power.
- All devices can be charged inside the storage case safely, unit can be stored with charger on indefinitely
- 10-36V DC external power input, car adapter included

Versatile & Easy Application Packages

The STACS 200 system is completely modular. Only One primary device, the STACS 200IH, is required to provide a complete Voice, Data, Radio, Video and Sensor functionality and is available as a standalone device or as the core component of a packaged kit.

STACS 200PP

Man Portable Package for Military Personnel, Strategic Forces, Field Agents, Public Safety, Disaster Relief, Third World Environment

STACS 200VP

Vehicle Platforms of All Types both Commercial & Military

STACS 200MP

Marine Platforms of All Types, Offshore Oil and Gas

STACS 200SP

Critical Government Sites, EOC, Operating Bases, Utility Infrastructure, Educational Institutions, Hospitals, Banks

STACS 200RM-2

Radio Bridge Expander

All systems may be expanded with additional 200IH or 200RM-2 devices.

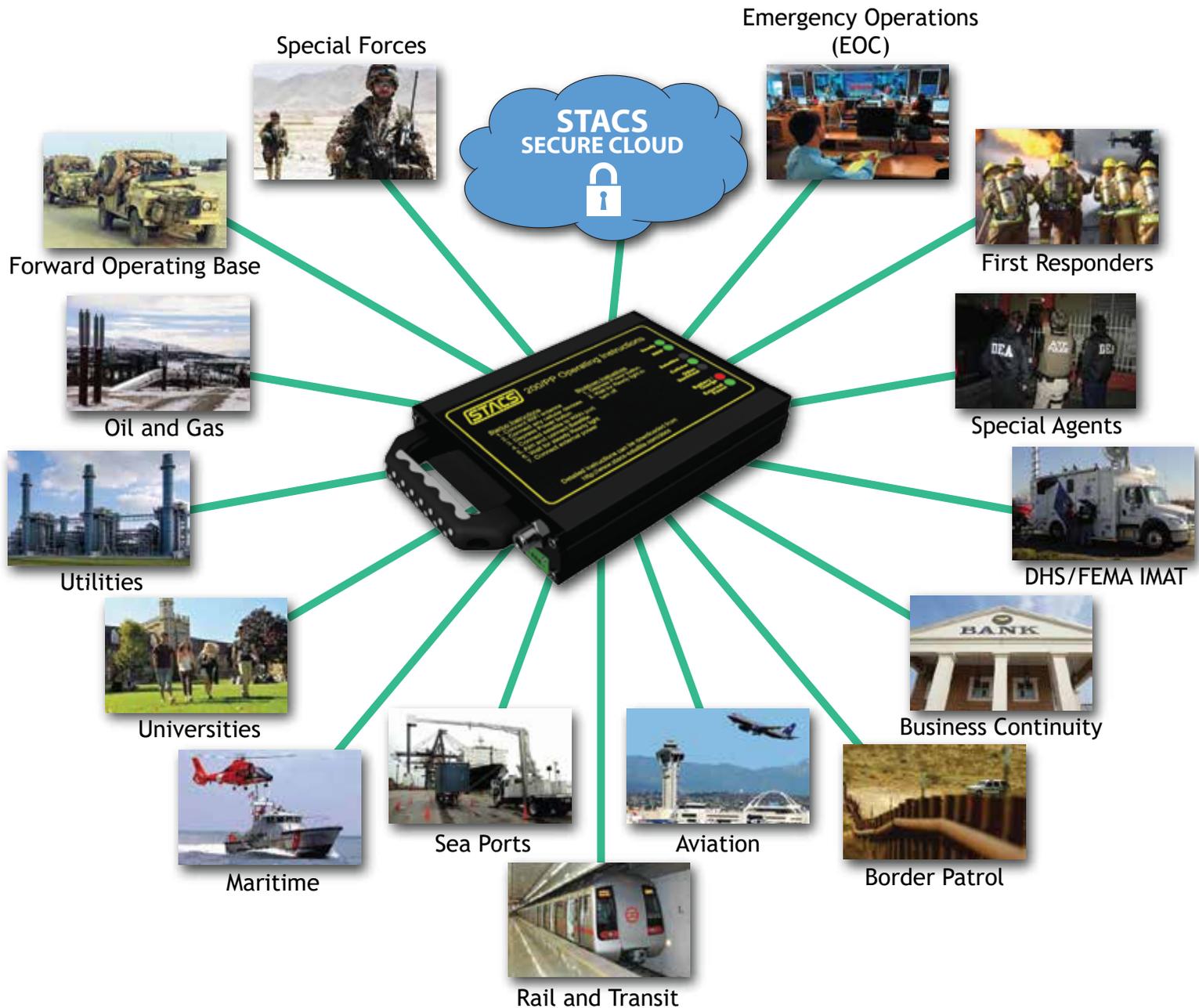
* Patent Pending



Smart Tactical Advanced Communications System

Features		Services		
No Trailers	No Technicians	Internet Access	VPN Encryption	Incident Management
No Servers	No New Radios	VOIP Telephony	Windows Bridging Client	STACS as a Service
No Security Mgt.	No Equipment	Full PBX	Android PDA APP	Any Satellite Service
No Power Mgt.	No High Costs	ROIP	Call Optimizer	Any Cell Service

Unlimited Intra and Inter Agency Interoperability



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