NETRIX

NxCAS

- ***Cellular Communications Center in a hardened case***

- ***Set-up and operational within minutes***

- ***2 Analog Lines for Voice and Fax***

- ***2 Switched Ethernet ports***

- ***Optional Serial Data port***

- ***Superior Voice and Fax Quality***

- ***Key systems/PBX Compliant***

- ***Supported Carriers (3G Wireless data)***
  - ***Verizon Wireless***
  - ***Sprint***
  - ***Cingular/AT&T***
  - ***Alltel***
  - ***Dobson***
  - ***Rogers***
  - ***Telus***

Cellular Analog Voice/Data Access Recovery and Backup

A growing concern faced by all telecommunications users today is how to cope with disruption to critical services. The solution is NSGDatacom's NxCAS, a self-contained mobile recovery and backup communications center supporting voice, facsimile (Fax) and data transmission from a hardened case. The NxCAS allows corporations, utilities, first responders and similar organizations to strategically locate portable units throughout the continental U.S, ready for deployment at a moments notice. With the NxCAS, telecommunications services can be established at an isolated location within minutes of its arrival.

Establishing rapid communications after a catastrophic event is one of the challenges faced by emergency services and utilities. Upon arrival in the disaster area, the NxCAS is cable-ready for connection to standard handsets, Fax machines and portable PC's, to establish telephone, Fax and data service. The NxCAS can be powered from either a 12-24V DC battery, or a local 110-220V AC power source. It operates over a variety of different 3G Cellular wireless data services using the cellular carrier of your choice.

The NxCAS is also ideal for outside crews arriving to perform routine maintenance tasks. It can be pre-configured to operate seamlessly with internal IT systems and mitigates the potential of contractors connecting non-qualified equipment to internal IT and communications systems. It is ideal for providing temporary communications in remote areas and in moving vehicles.

The NxCAS provides a complete cellular data end-user solution for recovery and backup situations, with 2 ports of telephone/Fax, two switched Ethernet ports for IP applications and an optional serial data port. Each unit can operate independently and also includes extensive remote management capabilities that can be centrally coordinated using the NetrixView GUI-based, Network Management Software included with every system.

The NxCAS is a true voice and data device, with sophisticated voice QoS mechanisms and supports all proprietary key systems and PBX signaling systems with no loss in end-to-end functionality. It interoperates with the extensive range of Nx voice and data solutions, including our widely deployed high capacity Analog and Digital trunk products.

In its basic configuration, NxCAS voice ports can be connected to handsets and/or Fax machines (Fixed FXS). Optionally, software configurable analog ports (FXS, FXO and E&M modes) can be provided to allow connection directly to a local PBX or external data modems. Higher capacity units supporting additional analog and digital voice circuits are also available.
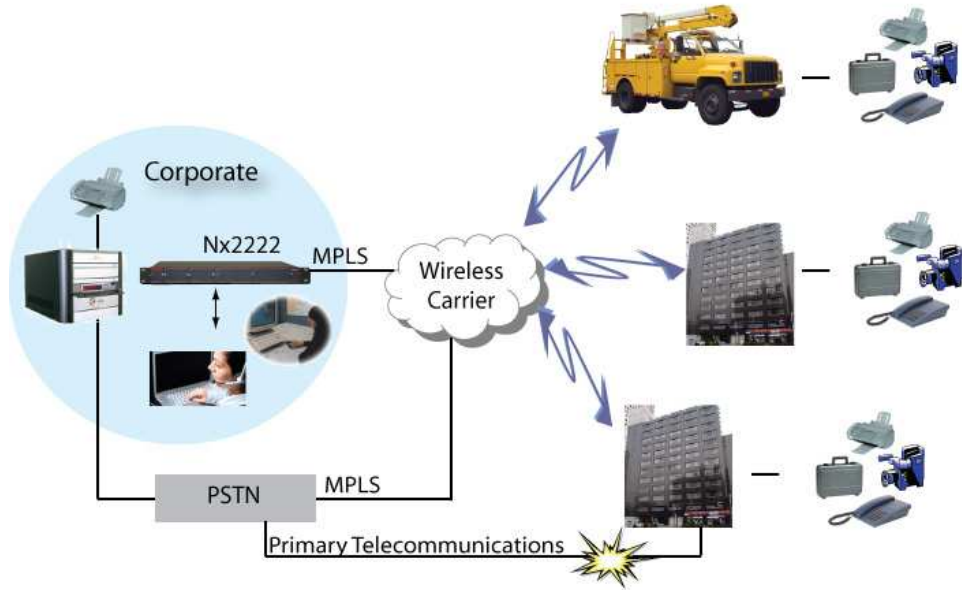
Contents:
- *Nx2205A-2*
- *Cellular Modem*
- *DC/AC Inverter*
- *Cables (power, network and voice/fax)*

NETRIX

NxCAS

Product Features

Physical Interfaces

- **Analog Voice**
  - Two analog voice interfaces
  - Fixed two-wire FXS loop start or two-wire FXO loop/ground start
  - Optional soft configurable two-wire FXS loop start, two-wire FXO loop/ground start and two/four-wire E&M.
  - Signaling types include Wink start, delay dial, immediate start, hoot-and-holler
  - Dialing can be either DTMF or pulse
- **LAN Connectivity**
  - Two integrated switched Ethernet interfaces
  - Auto sensing, 10BaseT or 100BaseT user or hub connection independently on each Ethernet connection
  - RJ-45 physical interface
- **High Speed Serial Interface**
  - One optional high-speed serial interface, internal or external clocking to 2.048 Mbps
  - Software configurable
  - Supports V.24/RS-232/V.35/RS-449, X.21 physical level
  - Speeds from 1200 bps to 2.048 Mbps
- **Async Serial Interface**
  - V.24 9600bps Console Port

Connectivity

- **Voice/Fax**
  - FXS/FXO/E&M
  - H.323, SIP, B2BUA, G.711, G.729a, CELP 4.8/7.4 kbps, ACELP 5.5/8.0 kbps
  - V.27ter, V.29, Group III
  - DTMF or Pulse (10 or 20 pps)
- **IP**
  - VoIP, RIPv1/2, OSPF, Static Routing, SNMP, SFTM
  - H.323, SIP, B2BUA

General

- **Physical**
  - 4" Gun Metal Computer Case
  - Dimensions: 11.3" x 16.5" x 4"
  - Weight: 12.7 lbs
- **Environmental**
  - Temperature:
    Operating - 32º-122ºF (0º-50ºC)
    Storage: 23º-158ºF (-5º-70ºC)
  - Humidity: 20-95% non-condensing
  - MTBF: >65,000 hours @ 86ºF(30ºC)
- **Approvals**
  - Safety: UL, CSA, IEC 950, EN 60950 (73/23/EEC), CE Mark
  - Telecom: 91/263/EEC, EMC: FCC Part 15 Class A, VCCI Class 1
  - Immunity: 89/336/EEC

EV-DO

- **Radio Features**
  - EV-DO Rev. A with Fallback to EV-DO Rev. 0 and CDMA 1x (not recommended for CDMA 1x)
  - Dual-Band Support (800 MHz cellular and 1900 MHz PCS)
- **Certification**
  - Class 1 Div 2, Parts A,B,C, & D

HSDPA

- **Radio Features**
  - HSDPA with Fallback to UMTS, EDGE and GPRS (not recommended for GPRS)
  - Dual-Band UMTS/HSDPA (850 MHz and 1900 MHz)
- **Certification**
  - Class 1 Div 2, Parts A,B,C, & D

NSGDatacom

www.nsgdata.com

3863 Centerview Drive Chantilly, VA, 20151-3232 USA Phone: +(1) 703 793 2000 Fax: +(1) 703 793 2001	5303 Spectrum Drive Frederick, MD, 21703 USA Phone: +(1) 301 662 5926 Fax: +(1) 301 694 6279	The Brackens, London Road Ascot, Berkshire SL5 8BE, UK Phone: +(44) 1344 893 000 Fax: +(44) 1344 891 990

Specifications subject to change without notice