

Spacenet ION™

Rapid Deployment Satellite Communications System



Rapid deployment communications via satellite (VSAT) enables in field personnel to be online and connected to the Internet, public telephone network, and secure private networks in a matter of minutes. Spacenet's ION instant communications solution is ideal for remote industrial operations such as oil rigs, mines or construction sites as well as emergency response services, mobile telemedicine, and other applications requiring frequent set-up and tear down. With a wide range of custom and off-the-shelf VSAT service packages, Spacenet can meet the operational and budgetary needs of virtually any rapid deployment customer.

Deploys in less than 10 minutes

Fixed or Auto-acquire Antenna

Supports Phone & Fax Services

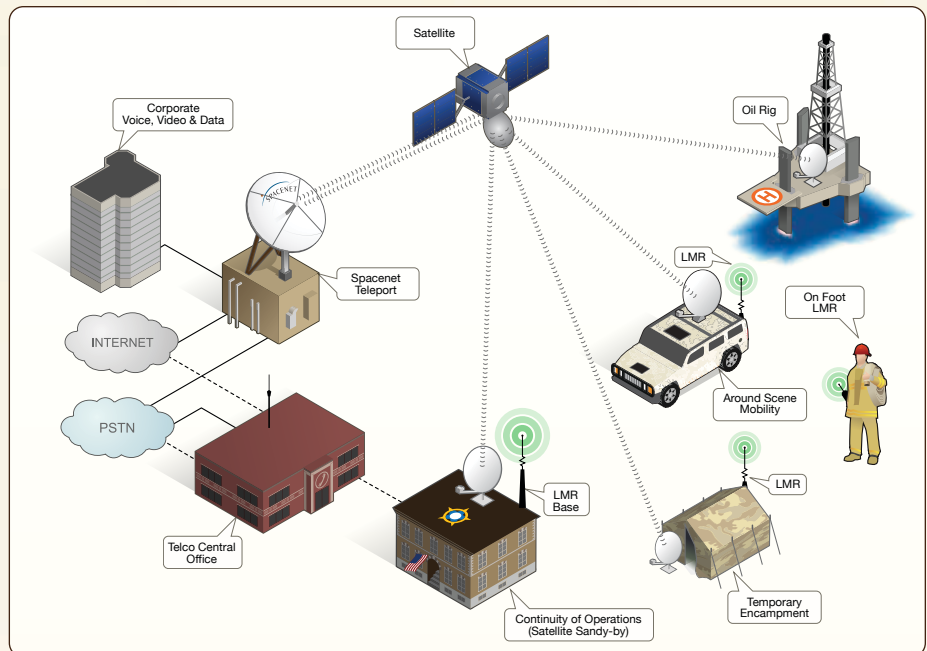
Data: Up to 5 Mbps

Video: Conferencing, Surveillance, IPTV

WiFi (802.11b/g) Enabled

Ruggedized and Self-contained

Airline Checkable



Spacenet ION Instant Communications Solution

Spacenet's ION instant communications solution is a self-contained ruggedized field kit that enables rapid deployment of complete converged communications via satellite. It can be easily carried by one or two people or integrated into a mobile command vehicle. ION is available in two form factors - the 2100 series and 1100 series.

ION 2100

The ION 2100 is designed primarily for emergency response mobile units in need of communications for shorter durations and employs a push button auto-acquire satellite antenna that can be operational in less than 10 minutes.

ION 1100

The ION 1100, intended for deployments of a few weeks to several months, uses a manually deployed VSAT antenna system for semi-fixed locations.



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<p>ION Kit</p>	<p>Ruggedized case</p> <p>Shock mounted rack – 5RU or 3RU</p> <p>Weighs under 65 lbs</p>	<p>Temperature range: 0 – 40 degrees C with sufficient internal airflow for cooling</p> <p>Supports 120V AC power input</p>
<p>ION 2100</p>		
<p>Components</p>	<p>Integrated auto acquire controller</p> <p>SkyEdge Pro VSAT modem with front panel display and key jog controls</p> <p>Analog to Digital Converter for Voice/Fax lines</p> <p>Wireless access point (802.11 b/g)</p>	<p>Built in inverter and line conditioner</p> <p>Exterior power switch to power cycle modem, router, WAP and antenna controller individually</p>
<p>Interface Connections</p>	<p>“Face plate” with labeled/color coded connectors</p> <p>1 x RF “inbound” coaxial port</p> <p>1 x RF “outbound” coaxial port</p> <p>1 x antenna controller port</p>	<p>6 x Ethernet ports – RJ45</p> <p>6 x Power over Ethernet ports –RJ45</p> <p>4 x Analog voice/FAX ports – RJ11</p> <p>1 X Wireless antenna (802.11 b/g)</p>
<p>ION 1100</p>		
<p>Electronic Components</p>	<p>SkyEdge Pro with front panel display and key jog controls</p> <p>Analog to Digital Converter for Voice/Fax lines</p> <p>Wireless access point (802.11 b/g)</p>	<p>Built in inverter and line conditioner</p> <p>Exterior power switch to power cycle modem</p>
<p>Interface Connections</p>	<p>“Face plate” with labeled/color coded connectors</p> <p>1 x RF “inbound” coaxial port</p> <p>1 x RF “outbound” coaxial port</p>	<p>2 x Ethernet ports – RJ45</p> <p>2 x Analog voice/FAX ports – RJ11</p> <p>1 X Wireless antenna</p>



**SPACENET INTEGRATED
GOVERNMENT SOLUTIONS**

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