TALK WITHOUT TOWERS™

WZRDnet®

Wireless Low-Power Ad-Hoc Mesh Voice/Data Network

TELEGRID

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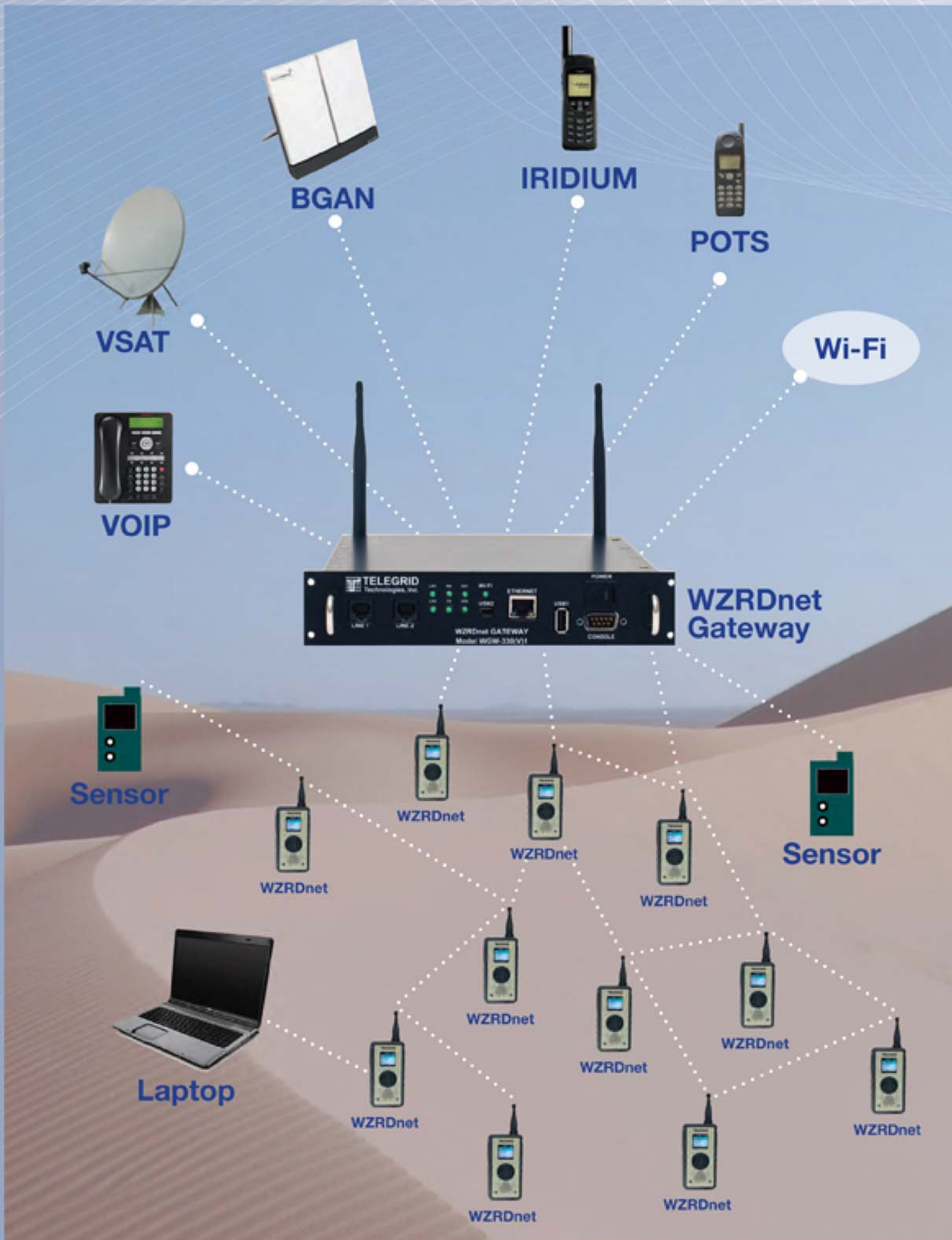
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WZRDnet GATEWAY
WZRDnet Gateway
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WZRDnet BENEFITS

COMMUNICATE WITHOUT INFRASTRUCTURE

- No cell towers or satellites necessary
- Every handset is a router
- Rapidly deployable network
- Secure voice and data communications

YOU OWN THE NETWORK

- No monthly service charges
- Internationally license-free
- Test and train anywhere at any time
- Scale network size to fit your needs
- Access any external network

LOW POWER NETWORK

- Carry fewer batteries
- Lighter handsets
- 4-5 times battery life

EXTRA FEATURES

- Embedded GPS for force tracking
- Connect to sensors
- Design your own applications

WZRDnet CAPABILITIES

VOICE

- Secure communications
- Peer-to-peer private communications
- Talk groups
- Contact lists

DATA

- Text messaging
- Databridge using handsets
- PC connectivity
- Sensor data relay

TRACKING

- Embedded GPS receiver in handsets
- Direction finding applications
- Force tracking applications

WORLD-WIDE ACCESS

- Connect to external networks via Gateway
- Increase access to external networks
- Supports VOIP

WHD-310 WIRELESS MESH HANDSET

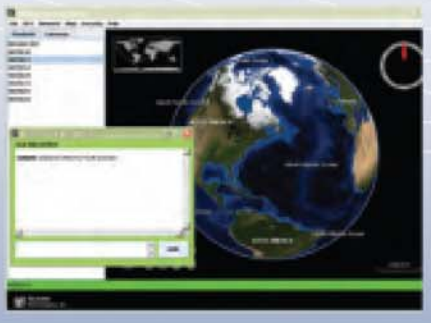
Operating Frequency	2.4 GHz or 900 MHz (unlicensed ISM bands)
Network Protocol	IEEE 802.15.4
Network Data Rate	250Kbps
Encryption	AES-128 with OTAR
Single Hop Range	2km
Hops Per Call	32
Size	Radio: 1.3 x 2.8 x 5.4 inches - Antenna: 2 inch.
Weight	0.6 lbs including batteries
Position Location	Embedded GPS receiver
Real-Time Clock	Includes GPS sync capability
Screen	128 x 128 Color LCD
Battery Life	38 Hrs at 5/5/90 usage and 31 Hrs at 10/10/80 usage
External Port	Mini-USB

WGW-330 GATEWAY (VEHICULAR)

Software Architecture	Programmable via web-based configuration tool
WAN Interfaces	Wi-Fi 802.11 b/g
	Ethernet 10/100 Base-T (RJ-45 connector)
	RS-232 Serial Port (DB-9 connector)
	Mini-USB Client Port
	USB 2.0 Full Speed (12 Mbps) Host
	RJ-11 Analog PSTN Interface (Qty 2)
Additional Memory	Secure Digital (SD) card
Size	8.5 x 10 x 1.75 inch (1/2 of 1U Rack Space)
Power	88-264 VAC or 18-36 VDC

WTK-350 RAPID DEPLOYMENT TACTICAL KIT

Included Equipment	WGW-330(V)2 Gateway (Qty 1)
	WPS-351 AC/DC Power Supply (Qty 1)
	WHD-310(V)1 Handset (Qty 10)
	110VAC Wall Charger (Qty 10)
	Earpiece/ MIC with PTT Switch (Qty 10)
	Holster with Belt Clip (Qty 10)
Size	18.5 x 14 x 7 inch - Man Transportable Case
Weight	20lbs Including All Equipment
Power	88-264 VAC or 18-36 VDC



COMMAND CENTER FORCE TRACKING APPLICATION

COMMAND CENTER FEATURES

- PC-based graphical real-time Position Location Information (PLI)
- Used for force tracking of personnel and equipment
- Provides an interactive 3D map powered by NASA and USGS satellite imagery
- Saves historical position location information for future reference
- Bi-directional communications with handsets

All TELEGRID® products are made in the USA since 1984.

WZRDnet® Tactical Kit

TELEGRID

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