WanderPod™ Portable On-site Deployment

The WanderPod is a flexible, self-contained, self-powered mobile wireless network

The WanderPod can be deployed to offer mission-critical, secure, high-speed data services—such as VoIP, VPN and Wi-Fi to any off-the-grid location in the world

The WanderPod can be built to your specifications to deliver acustom solution for your extreme communications needs

- ► 1.5 MB download speeds
- ► 512K upload speed
- ► Up to 250+ concurrent users
- ► 2000+ foot connectivity radius
- ► Secure connectivity
- ► On-site technician
- ► Wireless or wireline connectivity
- ► VoIP telephony
- ► AAA back-end software suite option
- ► (24-hour support included)

problem: solved

For complete technical specifications,

Contact Wanderport at 866-910-WIFI (9434)

WanderPod™ Technical Specifications

WIRELESS

Standard	IEEE 802.11b (2.4GHz unlicensed ISM radio band)
Frequency range	2.4–2.484GHz
Modulation	BPSK / QPSK / CCK (via DSSS)
Data rate	11Mbps - with fallback rates of 5.5 / 2 / 1 Mbps
Effective operating range	2000 foot radius
Maximal operating range	30 mile radius with unobstructed line of sight
Capacity	Up to 250 concurrent sessions

SUPPORTED ARCHITECTURE / PROTOCOLS

Security	WEP Encryption 40 bit / 128 bit
Protocols	TCP/IP, IPX/SPX, SNMP, NetBEUI
Operating systems	98 / 2000 / NT / XP / Mac OS
Media access control	CSMA/CA
Connection types	Point-to-Point (PTP) / Point-to-Multipoint (PTMP)
System Interfaces	Serial / USB / RJ45 (10/100 Ethernet)

DEPLOYMENT AND OPERATING ENVIRONMENT

Average time to deploy	◄ 15 minutes
Operating temperature	-20° F to 125° F / -30° C to 50° C
Relative humidity	0 to 100%
Wind survival: deployed	70 mph / 110 kph
Wind survival: stowed	120 mph / 190 kph

POWER SUPPLY

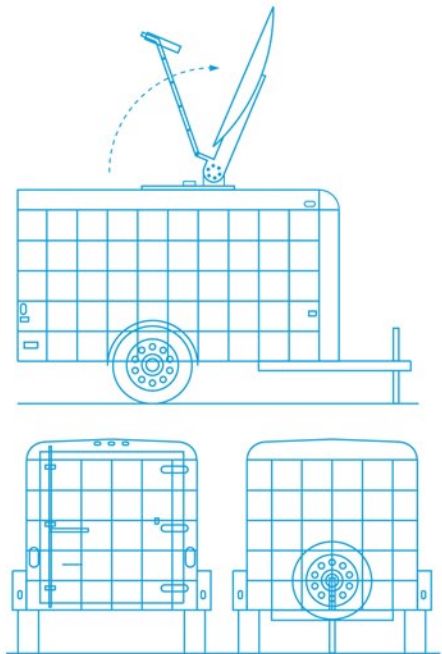|	
Type	Internal gasoline powered / auto-sensing /7000 watt generator
Voltage	110-125VAC
Frequency	50-60Hz
Runtime (single fueling)	10 hours at maximum load with maximal power draw due to environmental conditions

SATELLITE SUBSYSTEM

Signal gain: signal strength	15+ points over .74 meter dish
Signal gain: isolation strength	15+ points over .74 meter dish
Receive frequency	950-1450MHz
Mount geometry	1.2 meter effective area circular face
Polarization	Transmitter rotation (static dish) with LNB (Low Noise Block Down Converter)
Deployment sensors	GPS / compass / tilt sensors
Deployment elevation	140 degrees maximum rotation at 1 degree per second
Deployment azimuth	370 degrees maximum rotation at 10 degrees per second
Peaking	30 degrees per second (3 to 5 minutes average signal acquisition time)

PHYSICAL AND STRUCTURAL SPECIFICATIONS

Dimensions	14' x 8' x 7.5'
Weight	2000 lbs.
Exterior	Duraneal® technology (A-40 galvannealed steel with epoxy primer and polyurethane topcoat)
Axle beams/tires	ST205/75R-15 LRC
Interior access	Single rear door with cam door lock and hold back
Environmental controls	Internal thermostat-linked A/C and heat pumps
Safety features	Galvannealed steel fenders / electric brakes /safety breakaway system
Additional features	DOT lighting / top wind jack & sand pad

CUSTOMIZABLE NETWORK ACCESS, MANAGEMENT AND SECURITY FEATURES

► Bandwidth management
► Global roaming support
► Various authentication types supported
► URL redirection (pre and post authentication)
► Walled garden
► Radius proxy / client (MD-5 / PAP / CHAP / MS-CHAPv1,v2)
► MAC address filtration and session rate control
► Secure Socket Layer (SSL) support
► Support for IEEE 802.1x encryption standards: MD-5 / TLS / TTLS / PEAP
► Integrated VPN client (IPSec)
► Access control lists (ACL)
► Secure XML API
► Syslog / AAA log generation

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