

Features

Features:

- 3G / GPRS / GPS connectivity
- GPS location awareness
- 802.11b/g Wi-Fi
- Dual 10/100 base-T
- 3 x RS232
- Automotive PSU
- Very rugged design
- Customisable Linux subsystem



The ZyWAN brings always-on Internet connectivity to any field based device, enabling it to be monitored or relay data back to a central server.

Connecting to the ZyWAN via either an Ethernet cable, Wi-Fi or RS232, remote users are provided access to their field based equipment as transparently as if it were located in their office.

In addition to an easy to use web based GUI for configuration, the ZyWAN's Linux subsystem is also accessible allowing users to add propriety code to tailor the ZyWAN's functionality to their exact requirements.

Technical Specifications

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|------------------|---|
| PROCESSOR | 520MHz Intel XScale PXA270 processor |
| SUPPORTED OS | Embedded Linux |
| MEMORY | 64MB of soldered SDRAM/64MB Flash |
| GSM/GPRS | Quad band GSM/GPRS Class 10 radio device GSM 850/900MHz power class 4 (33dBm) GSM 1800/1900MHz power class 1 (30dBm) |
| GPS | 12 channel continuous tracking receiver with 32 correlators Accurate 1PPS timing output Very high sensitivity 156dBm (tracking) |
| ROUTER FUNCTIONS | DHCP Routing Firewalling Security AES, 3DES, SSH, IPsec, etc. NAT (Network Address Translation) Terminal server and client DNS client |
| OPT. INTERFACES | GPS NMEA 0183 with serial, UDP and TCP/IP connectivity 802.11b - via CompactFlash or USB interface VGA and touchscreen interface |
| ANTENNAS | SMA for cellular and GPS, RP-TNC for 802.11 |
| USB PORTS | Dual USB 1.1 ports |
| ETHERNET | Dual RJ45 10/100BaseT Ethernet ports |
| SERIAL PORTS | 2 x RS232 and 1 x RS232/422/485 selectable |
| WATCHDOG | Hardware with start-up or software trigger |
| DIAGNOSTICS | Serial MMI or Telnet |
| VGA/TOUCHSCREEN | Standard DB15 RGB female |
| SECURITY | 64/128-bit WEP / WPA data encryption |

| | |
|-----------------------|---|
| HUMIDITY | 5% to 95% RH (non-condensing) |
| POWER SUPPLY | Input power: 10 - 30V DC Over and reverse voltage protection: 100V DC Ignition sense input: 12V DC protected Power: 8W |
| RF CONNECTORS | GSM/GPRS cellular: SMA female GPS: SMA female 802.11b: RP-SMA female |
| MOUNTING | Panel mount |
| DIMENSIONS | 238mm x 137mm x 65mm (W x L x H) |
| WEIGHT | 1.4kg |
| OPERATING TEMPERATURE | -20°C to +65°C (without 802.11) 0°C to +60°C (with 802.11) |

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