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W.I.M.S Access Point – Depot WLAN/3G Module

Wireless Intelligent Monitoring System

Key Features

- Remote health checking of Depot WLAN system via GPRS / 3G and ADSL.
- PUSH diagnostics alerting of network health / failures direct to maintenance provider.
- Embedded Linux remote agent syncs information to secure Cloud Server to give instant fault visibility, reporting and remote management capability.
- Simple access management via secure web-portal using any browser.
- Supports health checking to other legacy network devices. **
- Supports live video management via 3G / GPRS using "public IP" SIM cards.
- Supports full video management including playback / preview and back up via GPRS / 3G and WLAN.
- Integrated video back up to a secure web-based video vault with video sharing feature for evidence distribution.
- User-definable report distribution via email and SMS.
- Vehicle telemetry monitoring and exception reporting supported to vehicles in depot.
- IP65 Rated Enclosure

Data / failure monitoring options

TCP/IP	Network Serial Bus
WLAN 5 GHz	HDD
WLAN 2.4 GHz	Processor Health
USB	Printers
Remote	Managed HUB /
Workstations	ADSL routers

Main PCB Specification

Operating system: Custom Embedded Linux **CPU:** 500Mhz AMD Geode LX800 DRAM 256MB DDR DRAM

Storage: 4GB SLC Compact Flash – OS and Samba

Power: DC jack or Passive POE, 7VDC to 20VDC

Connectivity: 2 Ethernet channels (via VT6105M 10/100) **I/O:** DB9 serial port, dual USB port



Wireless Modules

Enterprise Class Wireless LAN - via Mini PCI

- 802.11 a/b/g (up to 108 Mbps) 2.4 & 5 GHz Frequency switching
- Up to 200mw Transmit power External range of up to 500m +
- Advanced Security WEP, WPA AES, WPA2 (IEEE 802.11i), IEEE 802.1x Authentication
- Additional support for 802.11 d,h,l,j including multi country roaming support,
- DFS/TPC: Dynamic Frequency selection / transmit power control for international fleet operation.
- Support for 802.11e : the QOS support for wireless multimedia enhancements
- Extended Passive PoE cable runs supported up to 200 ft using CAT5e or better.

Cellular (3G/GPRS) - via Mini PCI

- Support third generation (3G) digital cellular standards
- Supports quad band EDGE/GPRS/GSM 850/900/1800/1900 MHz
- Supports tri-band UMTP
- Peak download speeds up to 7.2 Mbps*
- Peak upload speeds of up to 2.0 Mbps*
- Dual antenna diversity for improved performance

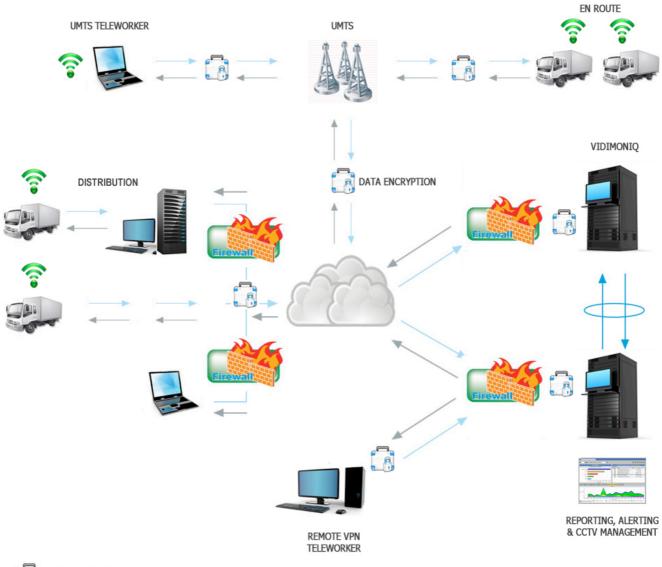
* Subject to network conditions

** Enquire if your legacy Network devices are already supported.

Internal Overview:



Solution Connectivity Overview



VIDIMONIQ SECURE MONITORING AGENT