



RTU-200 GPS



The RTU-200 uses a standard global positioning system (GPS) receiver that can track up to 12 satellites in parallel using the C/A (carrier) in the L1 frequency band. The GPS accuracy is 25 meters or less when stationary and 10 meters or less when moving more than 1 meter per second with selective availability (SA) turned off. The GPS receiver has differential ready.

The RTU can be configured to send an immediate position with a status indicating that the vehicle's velocity is higher than a predetermined "Max Speed" level. Once the vehicle's velocity drops below this level, the AVL unit will send another position with a status indicating its speed is below the max speed level. The vehicle will continue to update per the default time and/or distant interval. The duration of each Maximum Speed Exceeded will be based on the time interval between the indicating statuses.

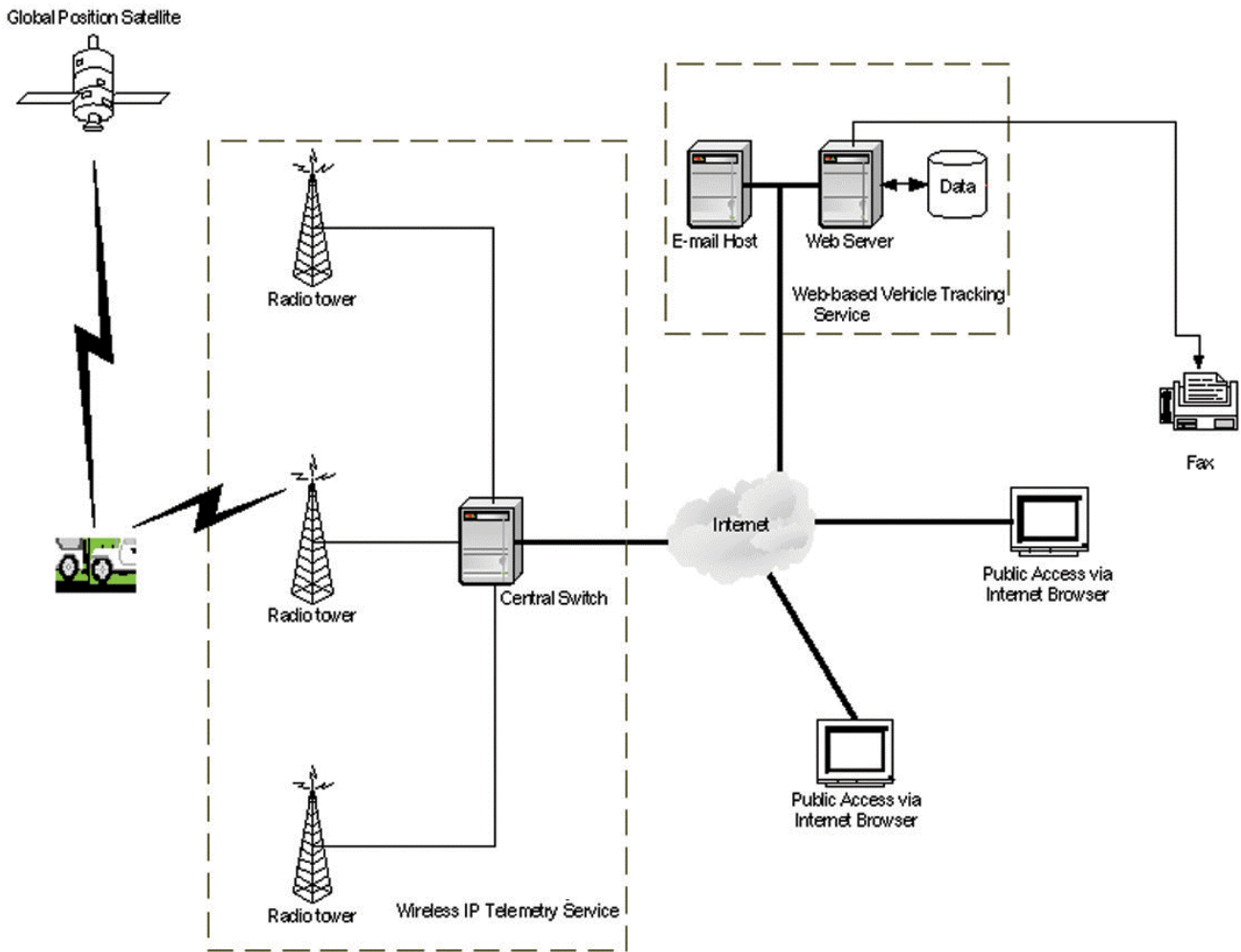
The RTU can be configured to send an immediate position with a status indicating that the vehicle's ignition has been activated. Once the vehicle's ignition is deactivated, the AVL unit will send another position with the status indicating the ignition is off. A report can be generated on the interval of when the ignition is deactivated.

The RTU unit can be configured to send an immediate position with a status indicating when either a digital or analog (if available) input port has changed state.

Specifications

- VHF packet data radio with integrated modem
- Electrical: 9-16Vdc, ¼ Amp @ RX and 2 Amp @ TX full power
- RF: 500mW to 4 Watts, network controlled variable output power
- User I/O: 3 digital sensor inputs and 3 digital control outputs
- Fixed Inputs: Ignition and panic alarm
- 12 channel GPS receiver
- Update location by time, distance or custom input trigger
- Power management with sleep mode to prevent battery drain
- Aluminum enclosure: 5"W x 3.75"L x 1.25"D, 12 oz
- Optional passive logging when out of radio range
- Optional analog input and battery voltage reporting (terminal, charging, cranking)

SYSTEM OVERVIEW



INSTALLATION OVERVIEW

