



Networkfleet® 3500 product line

Networkfleet's® award winning wireless vehicle management solution is designed to enable fleet managers to connect with every aspect of their vehicle operations. The 3500 product line provides affordable terrestrial wireless coverage, transmitting both vehicle location and performance (L3500 and H3500) information for your fleet. This unparalleled visibility into fleet assets 24/7 enables fleet managers to easily locate vehicles in real-time and view specific vehicle data such as current location, fuel consumption, mileage and speed — increasing response time and reducing operating costs. By connecting to the onboard engine computer, Networkfleet's patented remote diagnostic capabilities allow fleet managers to be notified via email when an exception occurs within the fleet, such as when a vehicle has reached a service interval or the check engine light has illuminated. In addition, the 3500 product line continuously checks emissions, eliminating the need for vehicle smog checks in California.

Networkfleet is a universal solution, compatible on all light, medium and heavy vehicles. It consists of an in-vehicle unit and a web-based software application all of which communicate on the AT&T Wireless GPRS wireless data network, the largest digital voice and data coverage in America. The 3500 product line integrates a robust wireless communication system, a microprocessor-controlled interface to the vehicle's diagnostic bus (L3500 and H3500) and a GPS receiver into a single, small enclosure the size of a PDA.

The 3500 product line features a new, rugged, automotive-grade exterior, positive retention connectors, plug and play design, upgraded tamper evident capabilities and a Siemens TC63 wireless module. It also consumes 50% less power than previous generations and doubles the total stand-by time in a vehicle.

3500 Product Line

L3500 — The L3500 is compatible with all light vehicles with an OBD-II diagnostic link connector (all cars and light trucks 1996 and newer).

H3500 — The H3500 is compatible with all heavy vehicles that have a J1708 6-pin or 9-pin diagnostic link connector (all heavy trucks 1988 and newer).

U3500 — The U3500 is universally compatible with all types of vehicles. The U3500 requires direct wiring (not remote diagnostic capable).



Features and Benefits:

- **Easy Installation:** Plug & Play (L3500 & H3500) design provides for easy, quick installation without splicing wires.
- **Nationwide Coverage by AT&T Wireless:** Advanced 12-channel GPS receiver and terrestrial-based GPRS wireless communications allow for location accuracy and broad coverage.
- **Vehicle Diagnostics:** Remote diagnostics (L3500 & H3500) capabilities enable monitoring of diagnostic trouble codes, ignition status, speed, odometer, fuel efficiency and more.

Networkfleet Product Matrix

	Light ('96 & newer)	Heavy ('88 & newer)	Universal (Any Vehicle)
3500 Product Line	L3500	H3500	U3500



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Physical Specifications

Size	2.85" W x 1.3" H x 5.5" L (72.4mm x 33.0mm x 139.7mm)
Weight	5.64 oz (160.0 g)

General Specifications

Input Voltage	+8 to +30 VDC
Power Consumption	
Normal Operating Mode	55 mA @ 12V
Sleep Mode	21 mA @ 12V
Fault Protection	Reversed battery, over-voltage, loss-of-ground
Fuse	Internal 2.2 A trip point, self-resetting
Auxiliary/Debug Interface	115200 baud serial (TTL levels)

GPS Specifications

Receiver	L1 Frequency (1575.42 MHz), 12 channel, continuous tracking receiver
Accuracy	Horizontal (< 8 meters @ 90%)
Acquisition	Cold Start < 40 sec. @ -142dBm Warm Start < 35 sec. @ -152dBm Hot Start < 9 sec. @ -152dBm
Antenna	1.35" W x 0.65" H x 4.8" L (34.29mm x 16.51mm x 121.92mm) External (active)

Wireless Specifications

Wireless	Internal Siemens TC63 Modem GSM 850/900/1800/1900 MHz
Regulatory Approvals	FCC, Industry Canada

Diagnostic Specifications

Physical Layers	
L3500	SAE J1850 PWM (41.6 Kb/s) SAE J1850 VPW (10.4 Kb/s) ISO 9141-2 (10.4 Kb/s) ISO 14230 (KWP 2000, 12 Volt) ISO 15765 (CAN 2.0b, 250 Kb/s, 500 Kb/s)
H3500	SAE J1708
Application Layers	Software configurable
Connector	
L3500	OBD-II
H3500	6-pin, 9-pin

Environmental Specifications

Temperature	
Operating	-20 C to +70 C
Non-Operating	-30 C to +85 C
Humidity	5% to 95% RH

Contact Networkfleet

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