

IDLEAIRE TSE/ATE SERVICE DELIVERY MODULE

BACKGROUND

As its core service, IdleAire provides individual electrical service for each parking space. This has traditionally been referred to as “truck stop electrification (TSE).” Because only a tiny percentage of trucks is wired and equipped to use TSE today, IdleAire adds other layers of services that comprise Advanced Travel Center Electrification (ATE), a flexible package that can be altered and customized to future industry needs. Currently, a heating, cooling and ventilation unit sits above each parking space. The unit is connected to the Service Delivery Module by means of a flexible, reinforced, concentric hose, which also houses the delivery mechanisms for the communications and entertainment packages. All TSE and ATE services, including temperature, fan speed and all other service selections, are delivered to and independently controlled by each individual driver in the truck cab via the Service Delivery Module, which snap locks into the passenger window.

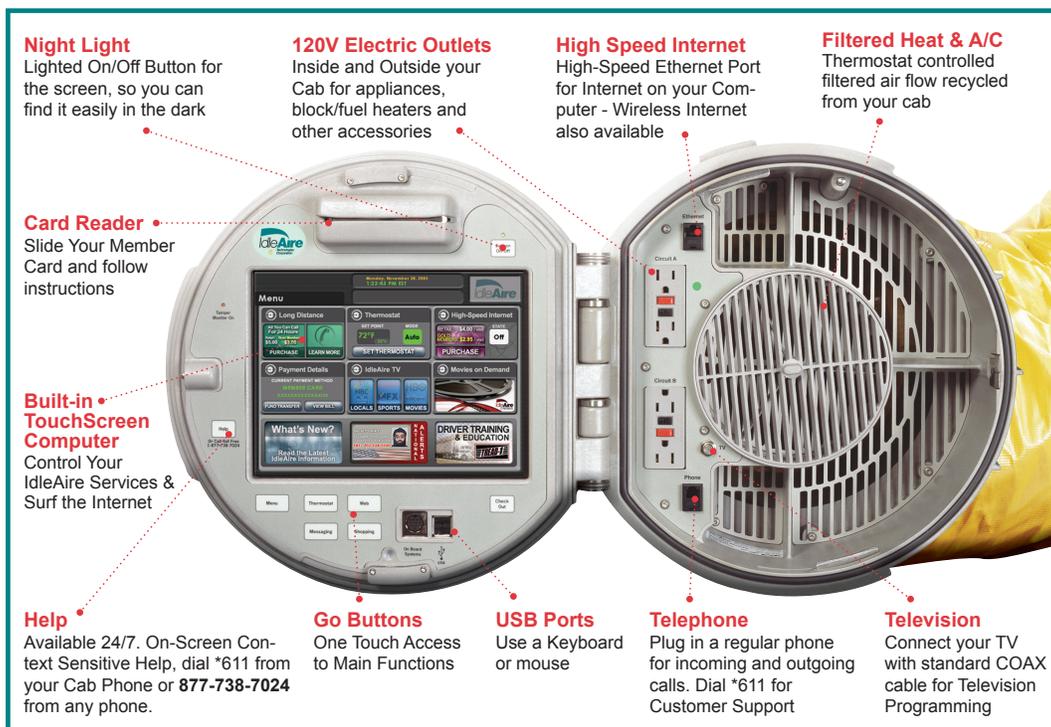
TSE/ATE FEATURES

TSE

- ▶ Four 120-V outlets inside and two outside

ATE

- ▶ Filtered Heat and A/C
- ▶ Telephone Line
- ▶ Touchscreen Games
- ▶ High-Speed Internet Wireless: Personal Computer or Wired Ethernet: Personal Computer & Game Consoles
- ▶ Television Service
- ▶ Built-In Touchscreen Computer with Internet Access
- ▶ Hit Movies On Demand - New Releases & More!



TECHNICAL SPECIFICATIONS

Each IdleAire-equipped parking space offers users the following:

TSE

- ▶ 40 amps of 120VAC electric power. GFCI-protected outlets available inside and outside cab for shore power wiring, engine block/fuel heaters, or in-cab appliances such as TVs, refrigerators, microwave ovens, etc. Two independent circuits provide 20 amps each. Circuits labeled A and B, both available inside and outside cab. System expandable to include 220/480, as demonstrated at Hunts Point Market in the South Bronx, for refrigeration systems, etc.



Research & Development Center *The company's R&D Center in Knoxville, TN is the nerve center for technological advancements. (Note individual units above each parking space.)*

ATE

- ▶ **Two-stage, 5,000 watt electric heater**
- ▶ **15,000 BTU air conditioner**
- ▶ **Electronic thermostat** with a temperature range from 65 to 85 degrees. Thermostat automatically selects heating or cooling and sets blower speed. Manual heat/cold/fan speed settings provided.
- ▶ **Computer w/color touch screen.** A Pentium-class computer with 10.4-inch color touch screen is built into every Service Delivery Module. The computer captures credit card and driver information for billing and provides the interface for all services. Also sends and receives electronic mail and browses the World Wide Web. Popular Website links available through driver portal. By plugging in an optional USB keyboard virtually any Website is viewable.
- ▶ **Digital telephone system (Voice over IP).** Provides clear, efficient digital communications over IdleAire's own Wide Area Network (WAN), but phone jack does not support conventional analog computer modems.
- ▶ **Ethernet Internet connection.** Provides 10Mbps (bits per second) access to IdleAire's WAN. (Conventional analog modems offer maximum 56Kbps, but telephone line limitations typically drive that to less than 50Kbps. In rural locations, access is frequently limited to 33.6Kbps or less.)
- ▶ **Wireless Internet.** Similar to the Ethernet connection, IdleAire's wireless Internet service provides up to 10Mbps of bandwidth. Access available anywhere within the travel center area and to anyone with a wireless network interface in their computer. Purchasing other IdleAire services is not required. Billing is separate.
- ▶ **Television.** IdleAire users have access to satellite television as part of standard services. Programming displays on the driver's TV, but users select channels via the touch screen.
- ▶ **Movies on Demand.** Locations have video servers that house a variety of movies and interactive driver training videos. Movies/videos display on driver's TV and controlled by in-cab computer's touch screen.