



Product size and connectors may vary depending on configuration.

## TrainWise® Powerline Train Gateway

The TrainWise® Powerline Train Gateway (NS11) creates a digital train backbone network over one existing trainline to allow the exchange of data between train cars.

The NS11 is a cost-effective train network for modernization projects that require the use of existing wiring and usage in mixed (modernized/legacy cars) train consists.

**Total units ordered/delivered: 225**

### Key benefits

**Cost effective train backbone.** Implements a train network using existing wiring.

**Train inauguration.** Provides onboard systems with train/car identification and sequencing.

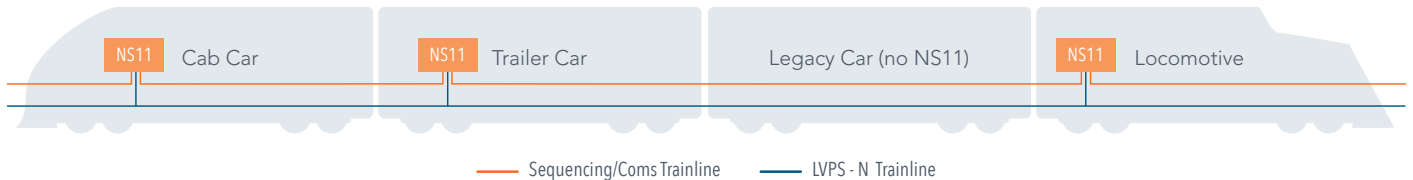
**Legacy car compatible.** Supports the use of legacy cars (vehicles without an NS11) within the train consist.

**Versatile car network connection.** Communicates with onboard systems using Ethernet or CAN bus ports.

**Train data management.** Data from one car is seamlessly available to all other cars connected to the network.

### Main characteristics

- » Provides gateway functions between train backbone and Ethernet or CAN car networks
- » Digital inputs to enable car number identification in the train configuration
- » Supports trains up to 14 cars in length
- » Compliant with IEEE and IEC 60571/EN50155 rail design standards



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