



Product size and connectors may vary depending on configuration.

TrainWise® Mobile Gateway

The TrainWise® Mobile Gateway (NS10) provides secure, stable communication between the train and wayside. This controller optimizes Wi-Fi and cellular network utilization for yard and revenue service.

The NS10 features external Wi-Fi, cellular, and GPS modems, providing flexible application-specific configurations. Additionally, the external modems are easily upgradable, enabling technology and service-provider upgrades without removing or physically altering the Mobile Gateway.

Total units ordered/delivered: 225

Key benefits

Secure communications. Firewall, authentication certificates, and encrypted data streams securely prohibit cyber attacks.

Easily upgradable. External modems provide a low-cost solution for upgrading Wi-Fi, cellular, and GPS hardware.

Connection interruptions handling. Manages varying signal strength as the train moves through different cellular- and Wi-Fi-coverage zones, providing seamless operation for connected equipment.

Optimized network utilization. Active network management in yard and revenue service cost effectively transfers the right data at the right time.

Flexible. Easily integrates with existing equipment or Quester Tangent TrainWise and FleetWise® products to provide reliable train-to-wayside communications. The NS10 size and modems can be tailored to support new or modernization projects.

Main characteristics

- » Interfaces with Ethernet and USB modems
- » Provides store and forward capability
- » Compliant with IEC60571/EN50155 rail design standards
- » Full North American voltage range
- » Secure web server providing remote access (PTE/BTE, operations, etc.)
- » Manages multiple wireless interfaces

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