



Product size and connectors may vary depending on configuration.

## TrainWise® Vehicle Control Unit

The TrainWise® Vehicle Control Unit (VCU) (MS28) is a robust product that interfaces with a wide range of electrical signals on the train, providing real-time monitoring, data logging, and communication on the train network.

The VCU is available in different two chassis sizes, half and full width, with flexible numbers and types of I/O points. This allows it to be easily incorporated into various car designs and locations. Seamlessly supporting new or modernization projects.

**Total units ordered/delivered: 2,900**

### Key benefits

**Local monitoring & control.** Monitored signals, fault conditions, and critical stores information about train sub-systems and vehicle performance. Stored data is easy to access for preventative maintenance programs.

**Fault tolerant.** Dual Ethernet connections support increased network availability and redundant controller configurations for service affecting applications.

**Expandable.** Room for up to 3 (half rack) or 6 (full rack) I/O cards to address a variety of train applications like status monitoring, load control and sensor input.

### Main characteristics

- » Modular I/O cards for scalable input/output count
- » Two sizes of chassis enclosures to fit available space
- » I/O circuits galvanically isolated for reliable operation
- » Compliant with IEEE and IEC60571/EN50155 rail-design standards
- » Secure web server providing remote access (PTE, operations, etc.)

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