

# The Future of Tractor-Trailer Interfaces

# EC47

Ethernet, CAN, 4 AUX, 7-Way

The next level of tractor-trailer communication, power transfer, and safety

**Coming Soon**

## Future-Proof Connections

*Compatibility and connectivity that covers you now and into the future*

- Future connectivity options that remain compatible with standard 7-way SAE J560 connections
  - Cross-compatibility allows fleets to upgrade at any pace
  - Compatibility without adapters

## Expanded Tractor-Trailer Communication and Coordination

*2 CAN networks for communication expandability and brake module coordination between tractor and trailer*

- CAN FD capable connection that allows for future tractor-trailer communication expandability
- Secondary network designed to work with ISO 11999 CAN protocol currently available on many new brake control modules in the US that provides:
  - Coordinated ABS and roll-stability events between tractor and trailer
  - Reduced stopping distance, especially on road trains
  - Additional brake and braking-related data shared between truck and trailer for an all-around safer vehicle

## Streaming Video and Imaging Support

*Two 1000BASE-T1 capable Ethernet connectors for streaming video and high-speed communications*

- 1G streaming video and imaging for camera viewing
- 10K plug cycles with IP69K protection

## More Power and 24V Capacity

*4 AUX Connections*

- Three additional auxiliary pins to accommodate added power and functionality between tractor and trailer
- One constant power pin to accommodate 24V loads
  - Eliminate ABS system voltage drop concerns on long road trains



EC47 Socket to EC47 Plug

## Cross-Compatibility



EC47 Socket to 7-Way Plug

EC47 Plug to 7-Way Socket

## Want to Learn More?

Contact us at [EC47@phillipsind.com](mailto:EC47@phillipsind.com) for more information.