



REPLACE UNCERTAINTY WITH PRECISION

Whether their vehicles have wheels, wings, or both, developers working on autonomous systems need a reliable solution for sensor data fusion — something that doesn't take up much space.

Time-Critical Ethernet and AVB from DornerWorks make those solutions possible in distributed real-time applications.



MINIMAL FOOTPRINT

- Lower your SWaP for the cost of a single FPGA chip
- Eliminate reliance on software processing and DDR RAM.



HIGH ACCURACY

- Synchronizes to a grandmaster with ± 8 -ns accuracy (double hop)
- Rapid time convergence



VERSATILE INTERFACES

- AMBA/AXI4 Lite and Stream interfaces
- MDIO and RGMII or SGMII interfaces to PHY

KEEP YOUR DATA IN SYNC & ON TIME

● ● ●
DornerWorks' Time-Critical Ethernet IP provides low latency and high throughput, while supporting diverse traffic inputs over a common network with gapless scheduling.

This IP integrates seamlessly with your Ethernet network and adds confidence to your development.

SCHEDULE A CONSULTATION

DornerWorks.com | +1.616.245.8369



DornerWorks delivered the project



FROM ALPHA TO BETA

in the time frame and budget they promised



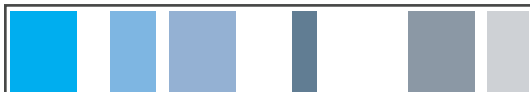
PERIODIC
REPORTING



STREAMING
DATA



ALERTS



DornerWorks Deterministic solution partitions the bandwidth of your incoming data, enabling real-time responsiveness with no buffering, no matter how you stream it.



**AEROSPACE
NETWORKS**



RIGOROUS STANDARDS

- IEEE 802.3 - Gbps full-duplex
- IEEE 802.1AS-REV slave profile
- IEEE 802.1Q-2014 - FQTS strict priority or credit-based scheduler for up to 8 QoS.



**DEFENSE
PLATFORMS**

BE CONFIDENT
**YOUR APPS WILL
TRIGGER ON TIME**



You can add time-synchronization and determinism to legacy devices, or build a fleet of new networked products from the ground up, and *never worry about stale data again.*



**AUTOMOTIVE
ADAS**

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