

DW MISSION-CRITICAL NETWORKING SOLUTIONS

Modern warfighters are informed and kept safer on the front lines of battle, industrial systems respond in real-time, and mission-critical sensor systems are connected together in aerospace applications thanks to capable products developed by innovative companies.

Those companies rely on engineering guidance from DornerWorks for the reliable and robust networking solutions to make their product ideas become reality.

BUILD PRODUCTS THAT GROW YOUR BUSINESS



We know that product development companies want to serve their customers with new and better products.

When those products require a reliable and robust networking solution, we provide the talent and innovation to turn ideas into reality.



MINIMIZE RISK

Design, development and testing for proven networking solutions.

- High performance
- Scalability



NETWORKING MANAGEMENT FEATURES

- Layer 2 and Layer 3 Packet Routing
- Software Protocol Libraries
- Security
- Configuration



STANDARDS-BASED FEATURES

- IEEE 802.3 - 1 Gbps full-duplex, IEEE 802.1AS-REV slave profile
- IEEE 802.1Q-2014 - FQTS strict priority or credit-based

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“ DornerWorks delivered the project,

DW FROM ALPHA TO BETA

in the time frame and budget they promised. ”



CASE STUDY SAFETY-CRITICAL ETHERNET

Using a radiation-hardened FPGA-based platform and engineering guidance from DornerWorks, an aerospace company reduced one of biggest barriers space travelers face when trying to communicate with loved ones back home.

DornerWorks guided the company toward radiation tolerant FPGAs and:

- Custom standards-based IP
- Multiple FPGAs with a RISC-V softcore processor

This solution is compatible with commercial devices, giving the company a stronger position in multiple markets. Flexible data rights meanwhile guarantee full ownership of the design.



CASE STUDY DEFENSE CLASS AVB NETWORKING

The DornerWorks MAF Endpoint FPGA IP was implemented in a system that detects and mitigates the threat of oncoming airborne explosive devices around the perimeter of military ground vehicles.

This solution relies on a standards-based MAC custom designed to meet the demands for MAPS, and features an integrated and highly accurate gPTP module with 8ns accuracy and credit-based and strict-priority scheduling. The 1772 AVB Encapsulator simplifies integration into existing systems. Simply stream sensor data in to the IP and it's on the wire.

**LEADING SUPPLIER
PARTNERSHIPS**

 **XILINX.**
ALLIANCE PROGRAM
MEMBER

AUTHORIZED
 **MICROCHIP**
DESIGN PARTNER

ACCELERATE YOUR PRODUCT DEVELOPMENT TODAY



Contact us now to schedule a meeting. Together we will map out a plan that meets your product goals and helps you lead the market.

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