



FAST AND RELIABLE TIME-SYNCHRONIZED NETWORKING



Modern warfighters are informed and kept safer on the front lines of battle.

Industrial systems respond in real-time.

Mission-critical sensor systems are connected together in aerospace applications.

All because reliable and robust Audio-Video Bridging (AVB) and Time-Synchronized Networking (TSN) solutions from DornerWorks helped turn these product ideas into reality.



Accelerate development of your Ethernet-networked products with DornerWorks Time-Synchronized Networking IP.



SCHEDULE A MEETING

[DornerWorks.com](https://www.dornerworks.com)

| +1.616.245.8369



TIME-SYNCHRONIZED NETWORKING IP

TSN schedules transmissions by adding a timed gate schedule to each class of traffic. The strict priority schedulers only select a queue for transmission if its gate is open, though multiple gates can be open simultaneously.

This IP was developed for the most demanding systems, including those requiring defense-class security, so you can be sure it's right for yours

KEY CAPABILITIES



Frame Preemption - IEEE 802.1Q-2018 (formerly IEEE 802.1Qbu-2016) and IEEE 802.3br

- Allows selection of any of the QoS levels to be pre-emptible or express traffic

Time Aware Shaper - IEEE 802.1Q-2018 (formerly IEEE 802.1Qbv-2015)

- Gate Control List to control each QoS level, synchronized to PTP time
- Works with AVB Credit-Based Shaper

PRODUCT NAME:

TSN IP

PRODUCT ID:

TSNIP

LICENSING OPTIONS:

PROJECT, SOURCE CODE



Premier Partner

The FPGA logic in DornerWorks TSN solution was developed for Xilinx FPGAs. As part of the TSN IP, it enables support for multiple types of heterogeneous traffic over a common network to reduce infrastructure costs.

GET THE TSN IP TODAY

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MORE INFO

