



TrellisWare
TECHNOLOGIES

J O I N T H E
T R E L L I S // S P H E R E™



TrellisWare Technologies, Inc. launched in 2000 with an innovative culture striving to push technological boundaries in the area of resilient communications for commercial, government, and military end users. Our algorithms, waveforms, and communications systems range from small form factor radio products to fully integrated solutions. TrellisWare is delivering the next generation of communications *When Nothing Else Works™*.

MEETING FUTURE RESILIENT COMMUNICATIONS CHALLENGES TODAY

TrellisWare's technology facilitates mission critical voice and data delivery in the most severe conditions. The result is an exceptionally robust, flat network that provides unprecedented scalability and supports hundreds of nodes while using less spectrum than any other Mobile Ad-hoc Networking (MANET) technology. The TrellisWare® TSM™ waveform is incorporated into a wide range of systems, including TrellisWare® radios and trusted industry partner radios, as well as multiple government and commercial solutions.

In true collaboration, we are working with an ever-growing community of integrators, end users, and government stakeholders to develop the most capable networking solutions enabled by TrellisWare technology. We call this the **Trellis//Sphere™**.

PROVEN SCALABILITY AND PERFORMANCE WITH THE TSM™ WAVEFORM

The TrellisWare TSM waveform is the leading MANET solution to support uninterrupted communications in real dynamic environments. TrellisWare's proprietary Barrage Relay™ technology eliminates routing, minimizes network overhead, and provides unrivaled scalability. TSM can support more than 800 nodes in a single channel, enabling a truly scalable network that is easy to use and deploy.

The TSM waveform provides mission critical voice, situational awareness, and data sharing without depending on infrastructure or pre-deploying equipment. As a true Software Defined Radio (SDR) waveform, the TSM waveform can be implemented on many different SDRs.

The TSM waveform is also available in low SWaP SDRs that are embeddable into platforms ranging from commercial micro unmanned aerial systems to tactical radios. The result is an ecosystem that forms the most powerful network, enabling interoperability between partner platforms, sensors, and systems.

Come join us in the **Trellis//Sphere** and see what we can accomplish together.



T R E L L I S W A R E . C O M





When Nothing Else Works™

For more information, please email sales@trellisware.com

TRELLISWARE RADIOS ARE AVAILABLE IN A VARIETY OF CONFIGURATIONS TO MEET MILITARY AND COMMERCIAL NEEDS:

- Full-featured handheld and vehicular configurations
- Small form factor modules for easy integration into unmanned systems for extending network range
- Single board radios that fit into tight spaces to meet Size, Weight, and Power (SWaP) requirements
- Flexible bandwidth and unmatched spectrum availability



Product Name	Radio	Use	Description
TW-900/950 TSM Shadow® Radio		Dismounted and mounted operations	Full featured single channel radio that enables fast Position Location Information (PLI), voice, video, and data applications.
TW-135 TSM Shadow® HPR Radio		Mounted, fixed site and manpack operations	Delivers high power (up to 20 watts) for more robust and longer range TSM links.
TW-870 TSM Ghost™ Radio		Platform integration	Lightweight, small form factor TSM data radio for embedding in host platforms and applications where voice is not required.
TW-875 TSM Ghost™ Radio		Platform integration, relay	Low profile, small form factor with built-in battery for flexible and fast deployment.
TW-860 TSM Spirit™ Radio		Dismounted operations, squad level communications	Low cost, ultra-lightweight and small form factor body worn single channel radio. Global spectrum coverage and interoperable with all TSM-enabled systems.
TW-650 TSM Shadow® Module		Embedded integration	Low SWaP embeddable module for tight integration into solutions such as unmanned platforms and multi-channel radios.

The above TrellisWare products are under the jurisdiction of the Department of Commerce and are subject to the Export Administration Regulations ("EAR").

PARTNER RADIOS OFFERING TRELLISWARE WAVEFORMS

