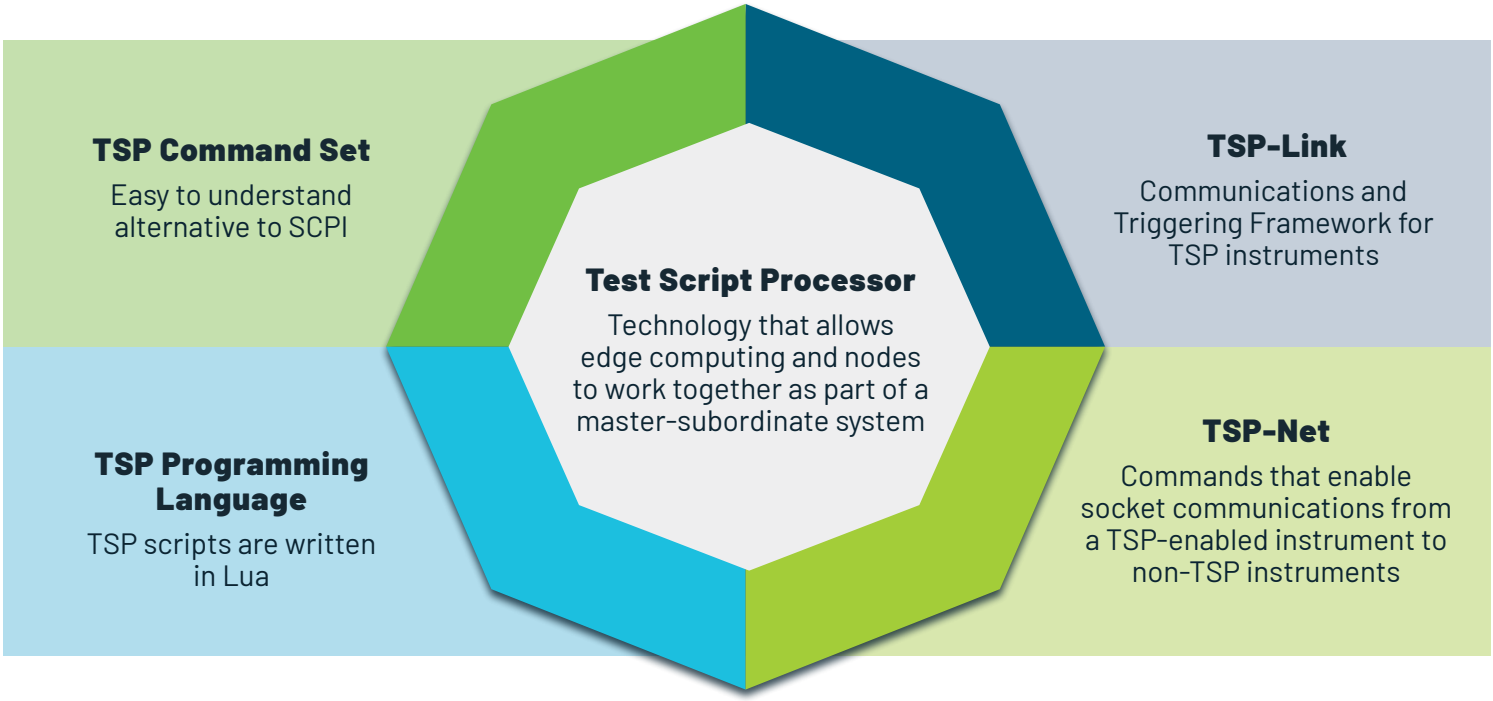
Tektronix®

The TSP™ Technology Umbrella

Test Script Processor (TSP) technology creates an edge computing solution for test and measurement instrumentation.



/ TSP Command Set

TSP-enabled instruments operate like conventional SCPI instruments by responding to a sequence of individual commands sent by the controller. Just like SCPI, TSP commands cover basic operation and settings on the instrument. Unlike SCPI commands, however, TSP is designed to be intuitive and human readable for ease of programming.

/ TSP-Link™

Each TSP-enabled instrument with a TSP-Link interface offers the flexibility to scale your system in a master-subordinate node-based configuration. The master node coordinates program execution with minimal communication overhead, tightly synchronized triggering and multi-instrument routines with little to no need for a PC.

/ TSP Programming Language

The TSP command set leverages Lua version 5.0 and, when used with Lua programming structures, forms the TSP programming language. As a programming language, users can create TSP scripts that can execute logic and data analysis that would normally reside on the PC.

/ TSP-Net™

TSP-Net brings the master-subordinate expansion to any instrument with ethernet communication. TSP-Net allows a master TSP enabled instrument to send SCPI commands to vendor agnostic instrumentation via a raw socket. With TSP-Net, even mixed vendor setups can benefit from leveraging the edge computing capabilities of TSP technology.

To learn more about TSP Technology, please visit tek.com/tsp.