



PRODUCT DATA SHEET

COMMUNICATIONS TESTER

Laptop software that offers portable, flexible, and easy-to-use management of smart grid devices:

- » Pairs with a Silver Spring Field Service Unit to establish secure, encrypted maintenance links with field and lab devices
- » Enables easy data collection and troubleshooting
- » Supports firmware upgrades, meter register reads and more than 550 other commands for configuring and testing Silver Spring devices

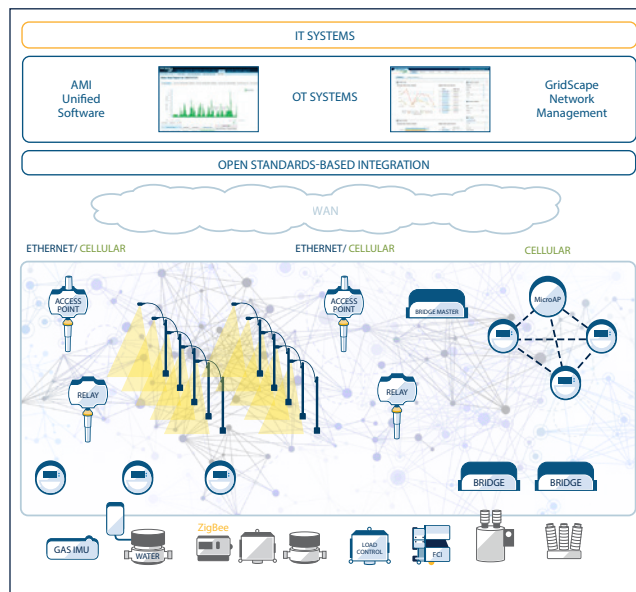
ADMINISTER AND TROUBLESHOOT ANY SILVER SPRING SMART GRID DEVICE

The Silver Spring® Smart Energy platform combines network infrastructure, software, and professional services to enable a range of smart grid applications. To accommodate lab testing, partner OEM manufacturing, and in-field testing needs, Silver Spring has developed a set of handheld and laptop-based tools.

The Communications Tester is a PC-based application for field and lab testing of Silver Spring NICs, Access Points, Relays, Bridges, Gas Interface Management Units (IMUs), and other supported devices. In conjunction with the Silver Spring Field Service Unit (FSU), the

Communications Tester enables engineers and technicians to transmit and receive messages to and from these devices, log the data, and analyze the results. For example, the operator can perform firmware upgrades, read meter tables, check configuration options, collect radio frequency statistics data, and exercise other troubleshooting features. Communications Tester also supports user-created compound commands, session logging, and results export.

Communications Tester implements operator- and administrator-level permissions, and it features an automatic token countdown for



The Silver Spring Smart Energy Platform supports a range of smart grid applications in a single open standards-based network.

additional security. This security feature tracks the number of operations a user performs and prevents the operator from performing additional operations once the allotted "tokens" are exhausted. Communications Tester is compatible with secure, encrypted FSUs and is backwards compatible to earlier versions of FSUs.

SYSTEM REQUIREMENTS:

- » Windows XP Service Pack 3
- » Communications Tester 6.0 supports Windows 7, 32-bit 64-bit, and Microsoft .NET Framework v4.0 SP1
- » USB port
- » Compatibility with USB hardware device drivers and with Microsoft ICCD smart card driver
- » CD-ROM drive (for application installation)

The screenshot shows the Communications Tester interface with several callouts:

- The Command List shows the predefined commands that can be executed on the device.** (Points to the Command List pane)
- The Device List shows the Silver Spring devices in range, with details such as signal strength.** (Points to the Device List pane)
- Set command and execution parameters or run predefined scripts.** (Points to the Command configuration area)
- Track command execution status.** (Points to the Command execution progress area)
- View the command output.** (Points to the Text Output pane)