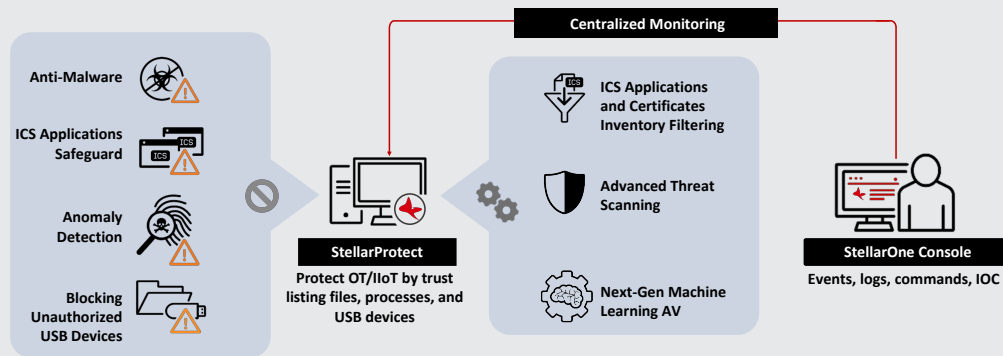


# TXOne StellarProtect™

## DATASHEET

### The World's First All-Terrain Endpoint Protection (OEP) for ICS Devices

Securing ICS endpoints introduces difficulties for both operational engineers and security administrators. Though traditional antivirus has long been seen as a core part of defensive strategy, the test of time has shown it brings shortcomings to work sites. All antivirus software requires constant virus signature updates over the Internet to be able to identify threats with scans which, in turn, place heavy demand on both CPU loading and memory consumption as intensive I/O hooking is conducted while files are inspected. This puts availability at risk even in work sites running modernized operational devices. Safeguarding ICS endpoints requires a different spectrum of consideration – chosen solutions must ensure daily working processes are never jeopardized, computation is never slowed, and production decisions are never delayed. TXOne StellarProtect is the world's first all-terrain endpoint protection, a one-of-a-kind defensive solution custom-engineered for operational technology. Its advanced threat scanning brings known attacks to heel while its next-gen machine learning engine blocks unknown threats, requiring no internet access. StellarProtect's ICS filtering, based on an inventory of applications and certificates, eliminates unnecessary overhead to allow the most lightweight operation possible. Effective in a range of environmental conditions with high accuracy and very low impact on endpoint performance, StellarProtect provides full coverage in one deployment.



## Benefits

### Industrial-Grade Next-Generation Antivirus

- **ICS Focus:** Supports thousands of OT applications and OT vendors to increase the compatibility, lower the FA, and protect critical OT tasks from harm
- **High Performance:** ICS applications and certificates inventory filters out 90%+ files from the malware detection process
- **High Efficacy:** Advanced Threat Scanning blocks millions of types of known malware while machine learning automatically blocks unknown threats
- **Low Maintenance Cost:** Advanced Threat Scan patterns and machine learning modeling require updates only twice per year
- **IOC Integration:** Integrate with 3<sup>rd</sup> party threat intelligence to identify potential intrusions and malicious activity

### Operations Behavior Anomaly Detection

- Detect abnormal operations with least privilege-based control to prevent malware-free attacks
- Learn and authorize operational behavior easily to minimize operational cost

### ICS Application Safeguard

- Intelligently locate and secure the integrity of ICS processes from ICS targeted attacks by device

### USB Vector Control

- Prevent insider threats

### Secure Mission-Critical Devices

- Supervisory Control and Data Acquisition (SCADA)
- Human Machine Interface (HMI)
- Engineering Workstations (EWS)
- PC-based controller
- Database server
- Fixed-function devices
- Industrial IoT devices



# Key Features

## Agent

- Real-time malware protection
- Ransomware and fileless attack prevention
- Advanced threat protection
- Exploit prevention
- Behavior anomaly detection
- IOC integration
- USB device trust listing
- ICS application inventory informed by OT vendors
- Write protection

- Support for both scheduled and on-demand AV scans
- Log aggregation

## Management Console (StellarOne™)

- Centralized monitoring
- Notifications designed to minimize alert fatigue
- Account management
- Syslog forwarding
- Trusted certificate management
- Support for IOC integration
- Integrate MITRE ICS IDs in event logs
- Scan exclusion management

## TXOne StellarProtect™ System Requirements

| TXOne StellarProtect™ Agent         |   |  |
|-------------------------------------|---|--|
|                                     | Client OS   | Server OS  |
| OS                                  | Windows 7 (No SP/SP1) [Professional / Enterprise / Ultimate] (32/64bit)   | Windows Server 2008 (SP1/SP2) [Standard / Enterprise / Storage] (32/64bit)   |
|                                     | Windows 8 (No SP) [Pro / Enterprise] (32/64bit)   | Windows Server 2008 R2 (No SP/SP1) [Standard / Enterprise / Storage] (64bit) |
|                                     | Windows 8.1 (No SP) [Pro / Enterprise / with Bing] (32/64bit)   | Windows Server 2012 (No SP) [Essentials/Standard] (64bit)                    |
|                                     | Windows 10 [Pro/Enterprise/IoT Enterprise] (32/64bit)   | Windows Server 2012 R2 (No SP) [Essentials/Standard] (64bit)                 |
|                                     | Windows Embedded Standard 7 (No SP/SP1) (32/64bit)  | Windows Server 2008 for Embedded Systems (SP1/SP2) (32/64bit)                |
|                                     | Windows Embedded 8 Standard (No SP) (32/64bit)  | Windows Server 2008 R2 for Embedded Systems (No SP/SP1) (64bit)              |
|                                     | Windows Embedded 8.1 (No SP) [Pro / Industry Pro] (32/64bit)  | Windows Server 2012 for Embedded Systems (No SP) (64bit)                     |
|                                     | Windows 7 for Embedded Systems (No SP/SP1) (32/64bit)   | Windows Server 2012 R2 for Embedded Systems (No SP) (64bit)                  |
|                                     | Windows Embedded POSReady 7 (32/64bit)  | Windows Server 2016 (No SP) [Standard] (No SP) (64bit)                       |
|                                     |   |  |
|                                     |   | Windows Server 2019 Standard (64bit)   |
| CPU                                 | Conforms to minimum OS system requirements  |  |
| Memory                              | Conforms to minimum OS system requirements  |  |
| Free Disk Space                     | 300 MB or more  |  |
| Display Resolution                  | VGA (640x480) or more, 16 colors or more  |  |
| TXOne StellarOne™ Virtual Appliance |   |  |
| Supported Hypervisors               | VMWare ESX 6.X or above   |  |
| Browser                             | Microsoft Internet Explorer 11.0<br>Google Chrome 87 or latest<br>Microsoft Edge 79 or latest<br>Mozilla Firefox 78 or latest |  |

