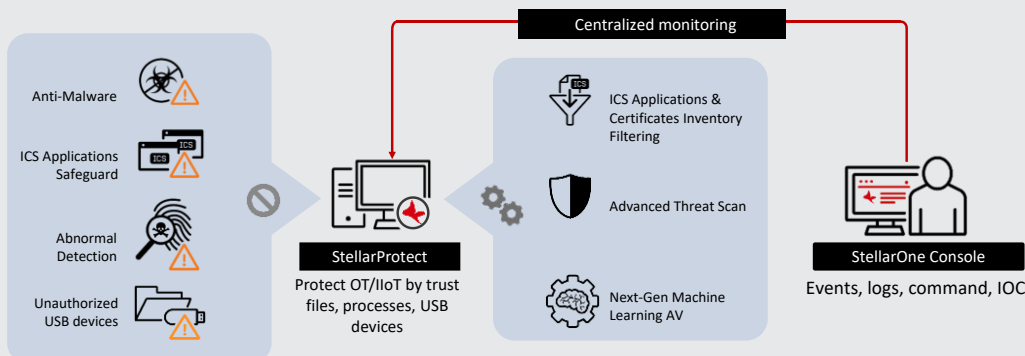


### The World's first OT Endpoint Protection (OEP) for ICS Devices

The traditional antivirus is not the right solution for the ICS endpoint, sometimes it introduced more trouble and difficulties for both operational engineers and security administrators. The drawback of traditional antivirus is the nature of the security architecture designed required virus signature constantly update through the Internet connection, virus detection required heavy processing in both CPU loading and memory consumption, intensive I/O hooking and checking for files inspection. That architecture just can't fit the ICS environment even apply in the modernized operational devices. The ICS endpoint protection required a different spectrum of consideration in the operation environment, the security needs to ensure not to jeopardize the daily working process, slow down the machine computation, and delaying the decision for the factory production. TXOne StellarProtect is the world's first endpoint protection designed specifically for operational technology, the advanced threat scan can prevent known malware attacks, the next-gen machine learning engine can against unknown attacks even without an internet connection environment, the ICS applications inventory filter can eliminate unnecessary overhead to make it lightweight. These full coverage of security measures can be packed in one deployment and working in variant environment conditions with a high accuracy malware detection and very low impact on ICS endpoint performance.



### Benefits

#### Industrial-Grade Next-Generation Antivirus

- **ICS Focus:** Support thousands of OT applications and OT vendors to increase the compatibility, lower the FA, and prevent critical OT tasks from being killed
- **High Performance:** ICS applications and ICS certificates inventory will filter out 90%+ files for malware detection process
- **High Efficacy:** Advanced Threat Scan to block millions of known malwares while machine learning to block the unknown ones automatically
- **Low Maintenance Cost:** Update Advanced Threat Scan pattern and machine learning modeling only two times per year
- **IOC Integration:** Integrate with 3<sup>rd</sup> party threat intelligence to identify potential intrusions or malicious activities

#### Operations Behavior Anomaly Detection

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

#### ICS Application Safeguard

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

#### USB Vector Control

- Prevent insider threat

#### 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 threats protection
- Exploit protection
- Behavior anomaly detection
- IOC integration
- USB device whitelisting
- ICS applications inventory and OT vendors' awareness
- Write protection

- Support endpoint scheduled and on-demand AV scan
- Log aggregation

## Management Console (StellarOne™)

- Centralized monitoring
- Notification
- Account management
- Syslog forwarding
- Trusted certificates management
- Support IOC integration
- Integrate MITRE ICS IDs in event logs
- Scan exclusions management

## TXOne StellarProtect™ System Requirements

TXOne StellarProtect™ Agent	
	Client OS
OS	Windows 7 (No SP/SP1) [Professional / Enterprise / Ultimate] (32/64bit)
	Windows 8 (No SP) [Pro / Enterprise] (32/64bit)
	Windows 8.1 (No SP) [Pro / Enterprise / with Bing] (32/64bit)
	Windows 10 [Pro/Enterprise/IoT Enterprise] (32/64bit)
	Windows Embedded Standard 7 (No SP/SP1) (32/64bit)
	Windows Embedded 8 Standard (No SP) (32/64bit)
	Windows Embedded 8.1 (No SP) [Pro / Industry Pro] (32/64bit)
	Windows 7 for Embedded Systems (No SP/SP1) (32/64bit)
	Windows Embedded POSReady 7 (32/64bit)
	Server OS
Windows Server 2008 (SP1/SP2) [Standard / Enterprise / Storage] (32/64bit)	
Windows Server 2008 R2 (No SP/SP1) [Standard / Enterprise / Storage] (64bit)	
Windows Server 2012 (No SP) [Essentials/Standard] (64bit)	
Windows Server 2012 R2 (No SP) [Essentials/Standard] (64bit)	
Windows Server 2008 for Embedded Systems (SP1/SP2) (32/64bit)	
Windows Server 2008 R2 for Embedded Systems (No SP/SP1) (64bit)	
Windows Server 2012 for Embedded Systems (No SP) (64bit)	
Windows Server 2012 R2 for Embedded Systems (No SP) (64bit)	
Windows Server 2016 (No SP) [Standard] (No SP) (64bit)	
Windows Storage Server 2016 (64bit)	
Windows Server 2019 Standard (64bit)	
CPU	Conforms with minimum OS system requirements
Memory	Conforms with 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 Google Chrome 87 or latest Microsoft Edge 79 or latest Mozilla Firefox 78 or latest

