txOne networks

TXOne Stellar

DATA SHEET

ALL-TERRAIN SECURITY FOR OT ENDPOINTS AND CYBER-PHYSICAL SYSTEMS

Reduce security risks without compromising operations

Stellar is a comprehensive OT/CPS security solution providing continuous detection and response aligned to the specific requirements of the OT domain. With successful deployments in a wide range of industries, including electric power, oil and gas, manufacturing, pharmaceutical, semiconductor, and retail, *Stellar* is proven to boost operations' reliability, efficiency, and stability throughout the entire asset lifecycle.

Using a single-agent design, *Stellar* delivers seamless asset-centric protection with complete oversight for legacy OT devices and modern cyber-physical systems (CPS). Intuitive centralized management, consistent policy enforcement, and action-oriented alerts empower security teams of all sizes and skill levels to successfully mature their organization’s security posture.

Leveraging an expansive ICS application and certificate library, *Stellar* maintains CPS operational integrity through behavioral anomaly detection and eliminates configuration drift for legacy and fixed-use assets with device lockdown. Security teams can confidently deliver detection and response outcomes across the OT terrain, with *Stellar* meeting both security and operational needs alike.

KEY PRODUCT CAPABILITIES

OT INDUSTRY INFORMED PROTECTION

CPS Detection and Response (CPSDR) – Using an operation stability-focused approach, a unique device fingerprint of the baseline operating state is generated using telemetry from the app, network, system, user login, and device data categories. In a two-stage process, agents first inhibit unexpected changes by continually analyzing the device against its fingerprint to defend stability. Second, a broader analysis identifies what caused the change, threat, operator error, or otherwise.

Multi-Method Threat Prevention – A combination of patternless ML/AI and high-speed pattern detection methods provide real-time protection from known and unknown malware threats. Operations-focused tuning ensures accuracy without compromising availability.

Operational Configuration Lockdown – For fixed-function and devices with limited patching availability, run-time configuration lockdown enforcement prohibits unauthorized changes, including alterations to registry and function parameters, either inadvertently from operators or nefariously from threat actors.

Trusted Peripheral Control – Unauthorized access from external sources, such as USB devices, is configurable and controlled to reduce physical access threats.

OT DEVICE, APPLICATION, AND CERTIFICATE CONTEXT

OT/CPS Context-Focused Database – A comprehensive database maintained in partnership with device OEMs facilitates the accurate identification and evaluation of 8000+ apps, devices, and certificates.

Device Resource Management – Developed specifically for resource-constrained devices, the agent footprint and bandwidth demands are minimal. Intelligent agent-level event and telemetry filtering reduces network traffic burden by 90% without impacting accuracy or effectiveness.

Device-Centric Fingerprinting – Each agent generates a unique baseline fingerprint of its host device using OT/CPS database content, device configurations, and behavioral telemetry to drive CPSDR response actions.

COMPLETE ASSET LIFECYCLE COVERAGE

Long-Term OS Support – Updates and ongoing support for still-supported and end-of-life OS versions from Microsoft Windows 2000 to Windows 11 ensure coverage for modern CPS and legacy OT devices throughout their operable life.

Connected and Isolated Device Protection – With self-contained agent functionality, non-connected devices remain protected with updates made deliverable via USB download.

Operator Safety and Integrity Override – To ensure physical safety and process integrity contextual control, authorized operators can securely override agent policy in real time.

STELLAR BENEFITS

ALL-IN-1 AGENT

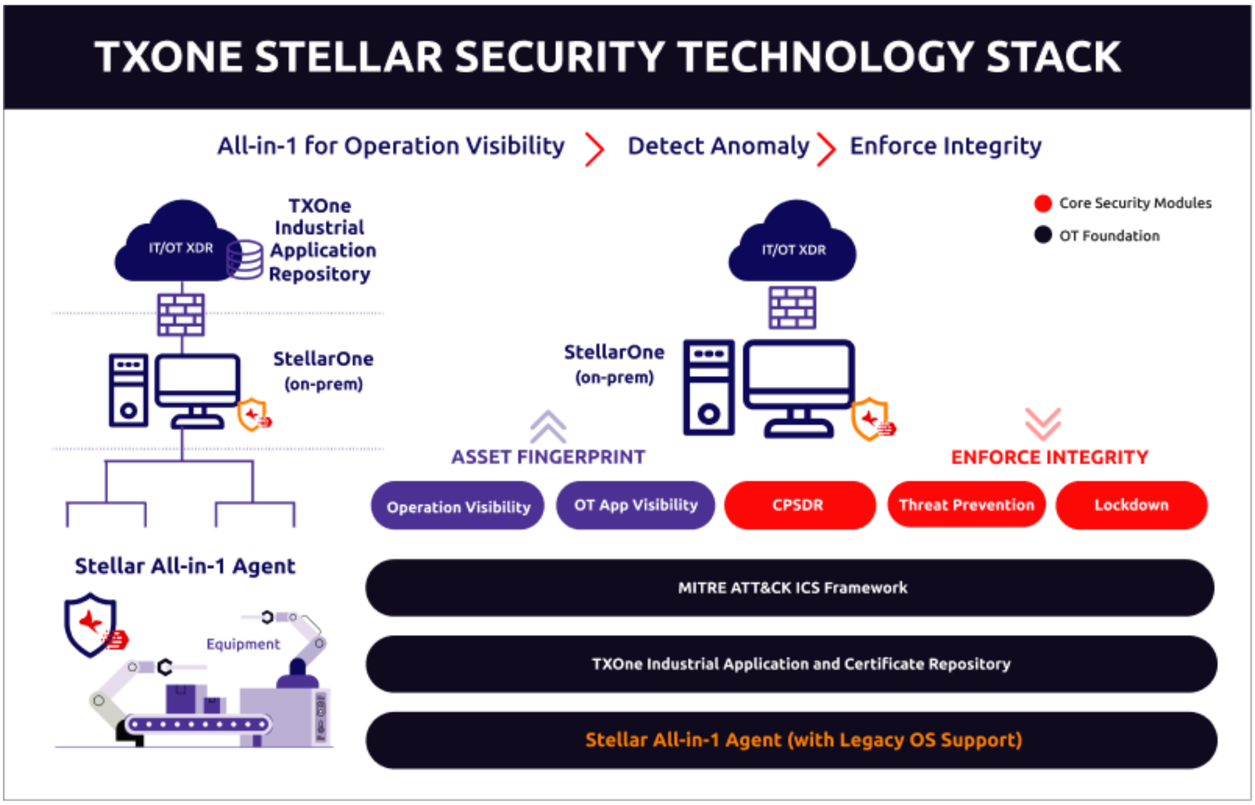
A lightweight unified agent simplifies security by combining CPS Detection and Response, threat prevention, and operations lockdown.

OT/CPS CONTEXT FOCUS

The industrial application repository builds the operational baseline, detects behavioral anomalies, and enforces operational integrity.

LONG-TERM OS SUPPORT AND PROTECTION

Broad OS version support, beyond OEM end-of-life, provides deploy-to-decommission compatibility and coverage.



LICENSE EDITIONS

Bundled features	Kiosk	ICS
Targeted users	**Lite** edition for Banking, Retail	**Complete** edition for Critical Infra, Manufacturing, Pharma
Industrial application repository		✓
OT application safeguard		✓
CPSDR (Operations behavior anomaly detection)	Limited*	✓
Operations lockdown	Limited**	✓
Multi-method threat prevention	✓	✓
Trusted USB device control	✓	✓
Support legacy systems	✓	✓

*For Kiosk license edition, StellarProtect or StellarProtect (Legacy Mode) CPSDR is limited to script-based or fileless attack prevention.

**For Kiosk license edition, operations lockdown is only available on StellarProtect (Legacy Mode) agent.

SUPPORTED OPERATING SYSTEM

TXOne StellarProtect Agent	
Windows Client	2000 SP4 (32-bit), XP SP1 or later (32-bit), Vista (32-bit), 7, 8.x, 10, 11
Windows Server	2000 SP4 (32-bit), 2003 SP1/SP2/R2 No-SP/SP2 (32-bit), 2008 SP1/SP2/R2 No-SP/SP1, 2012 No-SP/R2 No-SP, 2016, 2019, 2022

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