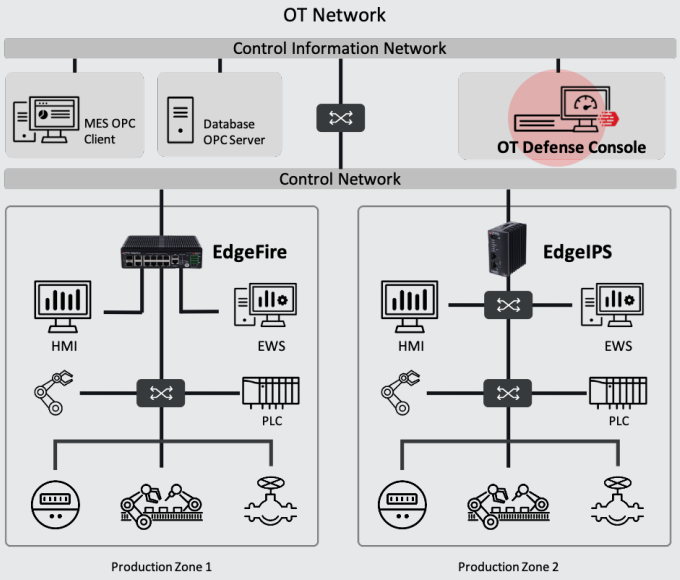
# OT Defense Console™
# Industrial Central Management Console

DATASHEET

## Centralized Continuous Monitoring of OT Cyber Threats with a Secure, Distributed Industrial Network for Uninterrupted Production Line Operation

Attacks on manufacturers and critical infrastructure sites have become serious cybersecurity issues in recent years. Typically two types of malicious actors are responsible for these incidents: state-sponsored and cybercriminal. Proper security management requires both visibility and control of security policies, while OT security protection requires even higher-grade security management for proper defense and effective response.

TXOne Networks offer both security policy control and security management to protect OT environments. EdgeIPS and EdgeFire enable network segmentation and segregation to divide the network into different zones of control down to the cell level. OT Defense Console (ODC™) provides central visibility and defense line management to manage and deploy different security policies to EdgeIPS and EdgeFire nodes with an at-a-glance dashboard giving a clear overview of current security status.




## Benefits

### Built for industrial-grade resilience, security, and flexibility

- Tailored for OT environments and industrial design.
- Ruggedized to work well in harsh temperatures.
- ODC supports cross-plant management and can be easily integrated with SOC/SIEM.
- Intercepts the spread of worms from deployed EdgeIPS and EdgeFire nodes.
- ODC has physical and virtual versions, and it works well in our hardware or your choice of server.

### Broad visibility for large-scale OT networks

- Use the dashboard to easily monitor cases, receive notifications, and analyze activity in the OT environment.
- Maintain an overview of system cyber risk status, threat vulnerability, and ability to resist attack.
- Customizable dashboard allows you to add or arrange widgets to monitor network activities and system status.
- Scalable to hundreds or even thousands of assets at multiple sites with EdgeFire and EdgeIPS.
- Gain visibility into your shadow OT environment.

### Increase convenience and interconnectivity

- Reduce your maintenance costs across facilities with easy, efficient management system.
- Convenient management policies as well as up-to-date security signature updates and provisioning.
- Manual firmware and pattern provision to EdgeIPS and EdgeFire by node group.
- ODC logs activity at each EdgeFire and EdgeIPS node, including cybersecurity, policy enforcement, protocol filtering, system logs, audits, and asset detection.

## Key Features

- **Organize Your Info with the ODC Dashboard**
  The dashboard of OT Defense Console gives you a comprehensive, consolidated overview. This is organized into alerts, assets, and incident events, allowing you to directly monitor the security of your enterprise's industrial control system.

- **Gain an Overhead View of Your Cyber Situation**
  Clear visibility is crucial for strong ICS security, so ODC gives clear visibility of all installed ICS assets in the OT environment and how they're connected, as well as giving users vision of the shadow OT environment.

- **Easily Manage Vast Amount of Network Nodes**
  ODC allows large-scale and remote management of all EdgeIPS and EdgeFire devices in your different facilities.

- **IPS and Policy Enforcement by Group**
  ODC uses the powerful, signature-based "Virtual Patch" threat prevention solution, organized by node group, to protect the OT network from known threats.

- **Flexible Policy Management for Network Nodes**
  ODC provides administrators with the ability to edit the OT protocol trust list to enable interactive interoperability between key production machine assets, as well as to deeply analyze L3-L7 networks by node group.

- **Virtual ODC is Ready for Your Hardware**
  Virtual ODC manages a maximum number of nodes depending on system resources, which it checks when a node license is activated.

- **Convenient Pattern and Firmware Updates**
  Provide pattern and firmware updates for EdgeIPS and EdgeFire by node group, allowing greater efficiency for administrative and on-site support tasks.

- **Log View and Query**
  ODC keeps cybersecurity, policy enforcement, protocol filter, node group system, audit, and asset detection logs, complete with a graphical user interface and other tools to help you get what you need out of them – and any EdgeFire or EdgeIPS node running on your network – as quickly as possible.

## OT Defense Console™ Specifications

| OT Defense Console - Physical Appliance | | | | |
|---|---|---|---|---|
| **Model Name** | **ODC-PA 1001K** | **ODC-PA 1500** | **ODC-PA 1200** | **ODC-PA 1050** |
| **Zone Size** | Large Zone | Medium Zone | Medium Zone | Small Zone |
| **Description** | Power Physical Appliance for Large Zone | Power Physical Appliance for Medium Zone | Power Physical Appliance for Medium Zone | Power Physical Appliance for Small Zone |
| **Form Factor** | 1U Rack Mount | 1U Rack Mount | Fanless Design, optimized for wall, DIN-Rail and VESA Mounting | Fanless Design, optimized for wall, DIN-Rail and VESA Mounting |
| **Interface** | Dual Giga Ethernet : 2 x RJ45 | Dual Giga Ethernet : 2 x RJ45 | Dual Giga Ethernet : 2 x RJ45 | Dual Giga Ethernet : 2 x RJ45 |
| **USB Interface** | V2.0 x 1 / V3.0 x 2 | V2.0 x 1 / V3.0 x 2 | V2.0 x 4 / V3.0 x 4 | V2.0 x 4 / V3.0 x 4 |
| **Max Managed Nodes** | 1000 | 500 | 200 | 50 |
| **Storage** | 7TB (RAID 5) | 7TB (RAID 5) | 1TB (RAID 1) | 1TB (RAID 1) |
| **Power Supply** | 100~240v full range, 500W Redundant hot swap power | 100~240v full range, 500W Redundant hot swap power | 24V DC (12-26V) power input. Also accepts AC adapter, 130w with locking plug | 24V DC (12-26V) power input. Also accepts AC adapter, 130w with locking plug |
| **Safety** | UL | UL | UL | UL |
| **Certification / Compliance** | CE, FCC, VCCI Class A | CE, FCC, VCCI Class A | CE, FCC, VCCI Class A | CE, FCC, VCCI Class A |
| **Green Product** | RoHS , RoHS2 , CRoHS, WEEE | RoHS , RoHS2 , CRoHS, WEEE | RoHS , RoHS2 , CRoHS, WEEE | RoHS , RoHS2 , CRoHS, WEEE |

| OT Defense Console - Virtual Appliance | | | | | |
|---|---|---|---|---|---|
| **Target Max Managed Node** | **500** | **300** | **200** | **100** | **50** |
| **vCore** | 16 | 12 | 8 | 4 | 4 |
| **Memory** | 32 GB | 32 GB | 16 GB | 16 GB | 8 GB |
| **Disk Storage (Recommend)** | 256 GB or above | 256 GB or above | 256 GB or above | 256 GB or above | 256 GB or above |
| **Supported Hypervisors** | VMWare ESX 6.X or above / VM Workstation V14 or above / KVM 2.x or above / Hyper-V (Note : Available in 2020) | | | | |