

## Oakdoor File Gateway

Delivering unparalleled CDR performance at scale, PA Consulting's Oakdoor File Gateway is a hardware security solution that provides secure file import and export to the stringent standards required by government intelligence agencies.

Featuring the file regeneration capabilities of Glasswall's Rebuild SDK, the Oakdoor File Gateway is a cyber security appliance that includes two data diodes and the necessary processing hardware to provide highly controlled unidirectional or bidirectional data flows. It simplifies deployment of low-capacity boundary devices.



### The Problem

Both government and commercial organisations need to import and export information to and from secure of networks but how can they be assured that risk from this data is minimized?

### The Solution

The Oakdoor File Gateway offers the most comprehensive and cost-effective means to safely import and export information. It enforces the UK National Cyber Security Agency's Safe Data Import and Safe Data Export patterns where Glasswall's engine enhances transformation and verification on files.

The Oakdoor File Gateway platform can be used on a desk or mounted in 1U of a 19" rack.

### The Oakdoor File Gateway offers:

- Low CapEx and OpEx
- Simple maintenance
- Plug and play solution

### Single 1U appliance incorporating:

- Import Diode
- Export Diode
- Small form factor "shim" PCs

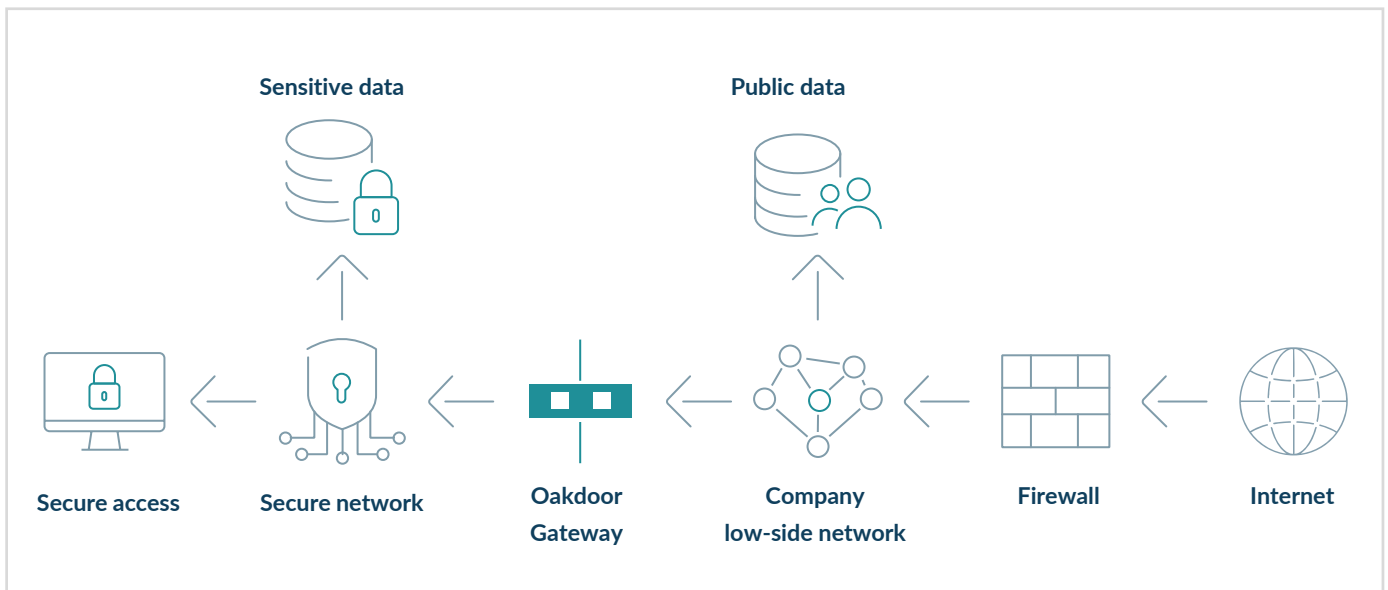
### Shim PCs run software to perform:

- Format/protocol conversion
- File schema checking
- Format/protocol reversion



### How Does it Work?

The Oakdoor File Gateway enforces unidirectional flow of data and syntactic checking of content in hardware (HardSec) only allowing text or bitmap data to traverse the boundary. The Glasswall engine does semantic checking in software of the content of complex files such as Microsoft Office and PDFs and exports these in a text markup form (SISL) for the HardSec syntactic checking. After the HardSec check, the Glasswall software imports the SISL content, does a final semantic check on the content and fixes any anomalies before providing the complex file structure as output.



### Cost Breakdown



Diode throughput	Up to 1 Gbit/s
Secure internet browsing & shared desktop access	Via Safe Browse software (included)
Secure file transfer (including large files)	Via Safe Data software (included)
Security Enforcing Functions	<ul style="list-style-type: none"> <li>Protocol conversion</li> <li>Reliable file transfer</li> <li>File re-wrapping</li> <li>File routing</li> </ul>
Operating temperature range	0-30 °C
Dimensions	350 x 210 x 44 mm
Weight	2500 g
Power	100-240 VAC 50 W
Warranty	1-year hardware warranty



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