



# BAROO DATA DIODE

## Unidirectional Gateway

A data diode is a cybersecurity solution that is used to protect sensitive information in IT environments. It is a hardware device that allows data to flow in one direction only, preventing any data from flowing back in the opposite direction. This one-way flow of data ensures that sensitive information cannot be accessed or compromised by unauthorized users or malicious software.

Data diodes are commonly used in environments where there is a need to protect critical infrastructure, such as power grids, water treatment plants, and other industrial control systems. They are also used in government and military environments to protect classified information.

The data diode works by physically separating two networks, with one network being connected to the outside world and the other network being connected to the internal network. The data diode allows data to flow from the external network to the internal network, but it does not allow any data to flow back in the opposite direction. This ensures that sensitive information cannot be accessed or compromised by unauthorized users or malicious software.

Data diodes are typically used in conjunction with other cybersecurity solutions, such as firewalls, intrusion detection systems, and antivirus software. They are an effective way to protect sensitive information in IT environments and are widely used in industries where security is a top priority.

Baroo Data Diode empowers your organization with an easy to use data diode solution. This solution is provided in two types:

- **Type1:** which is only the unidirectional hardware. It passes network traffic in only one direction.
- **Type2:** which provides several methods of one-way file transfer, one-way printing and time sync. Full list of features is provided below.



The table shows the Baroo Data Diode's features.

	FEATURE	TYPE 1	TYPE 2
OVERVIEW	Hardware-based One-way Transmission	Yes	Yes
	Hardware Type	1U Rack-mount	2U Rack-mount
	Easy Setup	Yes	Yes
	Web Interface	-	Yes
	Send Important Events via Email	-	Yes
	%99.99 Reliability in File Transmission	-	Yes
	Internal Storage	-	120GB
	SNMP Support	-	Yes
	WSUS Sync (via RDS. See Below)	-	Yes
	Linux Repo Sync (via RDS. See Below)	-	Yes
ONE-WAY FILE TRANSMISSION	Method 1: Windows Share	-	Yes
	Method 2: Remote Directory Sync	-	Yes
	Method 3: Agent	-	Yes
	Unicode Support	-	Yes
	Directory Structure Sync	-	Yes
	Anti-Virus Support	-	Yes
	Black-list Definition	-	Yes
	Transmission Rate Limit Control	-	Yes
FILE TRANSMISSION METHOD: WINDOWS SHARE (SAMBA)	Priority Definition	-	Yes
	File/Directory Sync Saved in Internal Storage		
	Active Directory Integration	-	Yes
	Local Users Definition	-	Yes
	File Transmission Speed	-	2.4 Gbps

<b>FILE TRANSMISSION METHOD: REMOTE DIRECTORY SYNC</b>	Sync Directory on Remote Machines	-	Yes
	No Software Installation Needed	-	Yes
	Transmission Schedule Definition	-	Yes
	SAMBA/CIFS Support	-	Yes
	SSHFS Support	-	Yes
	NFS Support	-	Yes
	FTP Support	-	Yes
<b>FILE TRANSMISSION METHOD: AGENT</b>	Sync Directories with a Dropbox-like Agent	-	Yes
	Windows Support	-	Yes
	Linux Support	-	Yes
	Command Line Interface	-	Yes
	GUI Application	-	Yes
	Active Directory Integration	-	Yes
<b>ONE-WAY PRINTING</b>	Printing to the Physical Printer in the Secure Network via a Virtual Printer in the Less-secured Network	-	Yes
	IPP Support	-	Yes
<b>ONE-WAY TIME SYNC</b>	NTP Support	-	Yes