arbit

Keep it simple

Cross Domain Solutions

- Your data is protected by the laws of physics
- Easy and effective
- Data is allowed to pass one way only
- No intruder can steal information from your network
- Security unlike any other product on the market

TimeLink
microsystems

DATADIODE

It is impossible to beat the laws of physics. What if you could have information security that is just as strong as this universal principle and just as impossible to beat?

History has shown that even the most secure connections can be compromised and even the most well-protected networks can be penetrated.

Now there is an easy and highly effective solution to this problem, that is just as impossible to break as any law of physics.

The Arbit Data Diode is a one-way connection that transports data from less-secure networks such as the open internet to secure networks.

The Arbit Data Diode simply uses a single fiber-optic connection which can only send light in one direction.

While data is allowed to pass one way, it can never be transmitted back the opposite way. No intruder can use the connection to steal data from your network.

	Firewall	Antivirus	Datadiode
100% protection against datatheft	÷	÷	✓
100% protection against hackers	÷	÷	✓
Secure one-way connection	÷	÷	✓
Protected by laws of physics	÷	÷	✓

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Technical specifications

The Arbit Data Diode is a physical data diode that eliminates the threat of remote data stealing by establishing a physically secure one-way connection with a single fiber-optic cable. The transmission is handled by two dedicated servers.

The sending server is called a pitcher and the receiving server is called a catcher. No data can be transported from the receiving network to the transmitting network. Therefore, the Arbit Data Diode is just as safe as manual data transfer, but offers the same convenience as a normal network connection.

Key points

- Full integration with OPSWAT Metascan for multi-scanning with up to 30 commercial antivirus engines
- The Arbit Data Diode is a 100% secure physical data diode
- Proven stability
- User friendly web interface
- Integrates with Microsoft server solutions
- Quick installation and configuration
- Powerful add-ons to control content moving through the diode

Features

- No maximum file size – Only limited by available disk space
- Based on gigabit network interfaces – Only limited by server hardware
- Running installations with a distance of 200+ meters between pitcher and catcher
- Transports all file types and emails with full transaction control
- Unlimited number of data channels
- Data channel priority (on transaction basis)
- Supports up to 24 streaming channels (video, radio, etc.)
- Back Pressure in case of critical diskspace
- Safe points in case of increased data flow
- Notifications by email
- Required retransmissions
- Daily operational statistics
- Total count and size of transactions within last 24h
- Operated by web-interfaces
- No daily maintenance
- Software based on hardened Linux
- Support Supervisory Control and Data Acquisition (SCADA) networks
- Support Industrial Control Systems (ICS)

Accreditation

- Common Criteria EAL 5+

Supported protocols

- Mail (SMTP)
- Simple file transfer (FTP, SFTP)
- Windows share mapping (SMB)
- Time synchronization (NTP)
- Streaming (UDP)

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