IBSS.web Server Failover Service

totallyintegratedIPsecurity

The **Server Failover (SFO)** module performs server redundancy and continuously performs data synchronization between 2 servers while monitoring the operational status of both. The IBSS.web software is built with an automatic failover architecture.

When the primary server fails or appears as unavailable, the server failover service will automatically switch operations and control to the secondary backup server. All connected clients and controllers will seamlessly reconnect to this server without disruption to the system operation.
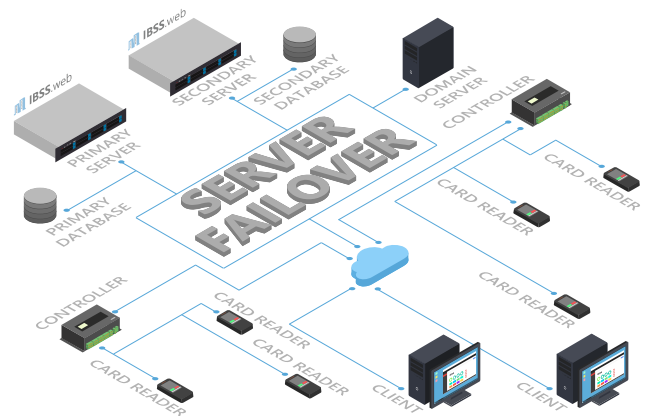
Key Features

- Automatically performs continuous data synchronization between 2 servers

- Eliminates downtime due to server hardware failure
- Zero downtime, no compromise on security

- Connected clients and controllers seamlessly reconnect to the new primary server

- Secondary takes over automatically when primary fails

- Prevents Single Point of Failure (SPOF)

- Monitors the operational status and automatic switchover upon failure of primary server

System Design

Primary Server   Secondary Server   Domain Server

LAN / INTERNET

Access Controller   Access Controller   Access Controller

Card Reader   Card Reader   Card Reader

KEY:
Ethernet
RS485
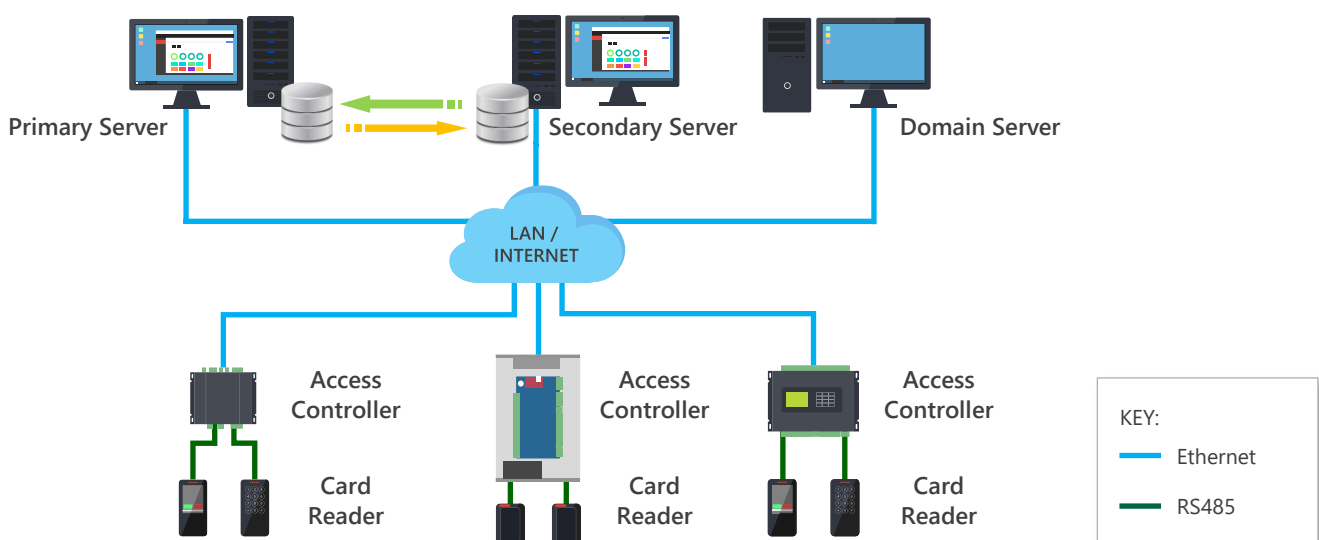
Technical Specifications

Specifications*	IBSSweb-*SFO*
Description	IBSS.web Server Failover Service
Supported IBSS.web	IBSS.web Professional Edition or above (Prerequisite)
Availability Mode	Always On Availability Groups (AG) - Synchronous - commit with automatic failover
Quorum Witness	File Share Witness

Specifications are subject to change without prior notice

Prerequisites

Software/Hardware	Minimum Requirement
Primary/Secondary Server	
Operating System	Windows Server 2016
SQL Server	Microsoft SQL Server 2017 Standard Edition or above
Processor	Intel Xeon Quad Core 2GHz or above
Memory	32GB RAM
Storage	2x 300 GB SATA HDD
Ethernet	Gigabit (1000Base-T)
Domain Server	
Operating System	Windows Server 2016
SQL Server	Microsoft SQL Server 2017 Express Edition or above
Processor	Intel Core i5 2GHz or above
Memory	16GB RAM
Storage	2x 300 GB SATA HDD
Ethernet	Gigabit (1000Base-T)

Ordering Information

Model No.	Description
IBSSweb-*SFO*	IBSS.web Server Failover Service