ONE WAY HOSTING

A simply integration of retrieving transaction log from access controller and send it to the HOST. It is mostly used in NVR/DVR system for integration with CCTV surveillance camera, by showing the transaction log data for OSD (On Screen Display). SOYAL provides total two ports in total to work as a redundant port to keep system running when one of the ports fails.

APPLICABLE TO:
SOYAL Enterprise Series & SOYAL Control Panel Series

FUNCTION DESCRIPTION:
- Host stay "waiting message"
- 701Server can work at the same time
- Reader sends all events actively to Host, but Host does NOT required to verify them
- Host could examine network connection to Reader because Reader sends "keep alive" if there is no transaction log
- If Host powers off and re-powers on, Reader does NOT send the old event logs in this period to Host

SCHEMATIC DIAGRAM:
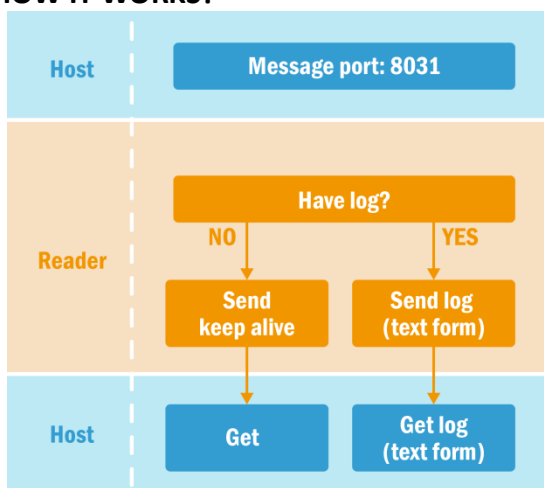

APPLICATION DIAGRAM:
NVR/DVR:
Store transaction log and video from the entrances any time the access control system is activated for quick search of particular event.

Time Attendance:
Provide a duty report to third party designated path for duty report data retrieval from SOYAL access controller that performs as time attendance device.
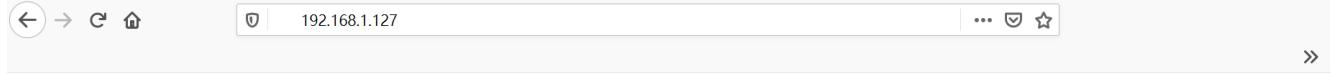
HOW IT WORKS?

IMPLEMENTATION STEPS:

Through Web Setting of the controller, after logged in go to **Network Setting > Message Server IP 1st**
By entering destination IP address of the designated server that will automatically received transaction log.
On Message Port 1st **enter 8031**

	192.168.1.127	

SOYAL ACCESS CONTROLLER

AR837E/EF

F/W: 4.3 200923

Network Setting

Current State

Network Setting

Event Logs

User List

Controller Parameters

User Add / Change

Time Zone

Login Password

Clock

After you have changed the IP address, the device will **restart** (hardware reset).
Please update the IP address in the browser after any changed.

Item	Setting
Device Name	CONTROLLER (Can be any unique identifier)
LAN IP Address	192.168.1.127
LAN Net Mask	255.255.255.0
Default Gateway	192.168.1.254
Primary DNS Server	168.95.1.1
Secondary DNS Server	168.95.192.1
MAC Address	00-13-57-02-04-2C
DHCP Client	☐
TCP Listen Port	1621 (1024~65530)
HTTP Server Port	80 (80~65530)
Socket Timeout	120 (0~600)sec. (TCP Client Keep Alive:0)
Node ID (Device ID)	1
Message Server IP 1st	0.0.0.0
Message Port 1st	0 (1024~65530, 0:disable, 8031:Text Mode)
Message Server IP 2nd	0.0.0.0
Message Port 2nd	0 (1024~65530, 0:disable or 8031:Text Mode)

Update

Data format: Text form

Index	YY'MM/DD	Time	Address	Display (Alias)	Access Detail	Card UID	Door	
00000	20'11/05	11:03:23			(M03)Invalid card	18838:00722	2	
00001	20'11/05	11:03:25			(M03)Invalid card	18838:00722	2	

Note:

When 1st server is failing, by configuring Message Server IP 2nd and Message Port 2nd as back-up server for redundancy for example 8033; or any other port beside 8031.

Any other port beside 8031 required verification when transfering the data, moreover the data is in HEX form instead of text form (refer to TWO WAY HOSTING METHOD)