

TWO WAY HOSTING

Same method and function with one way hosting except two way hosting offer safest way when receiving data from SOYAL access controller. it required acknowledgement from HOST (third party) when transferring data to make sure there is no missing log, data, or message transferred.

APPLICABLE TO:

SOYAL Enterprise Series & SOYAL Control Panel Series

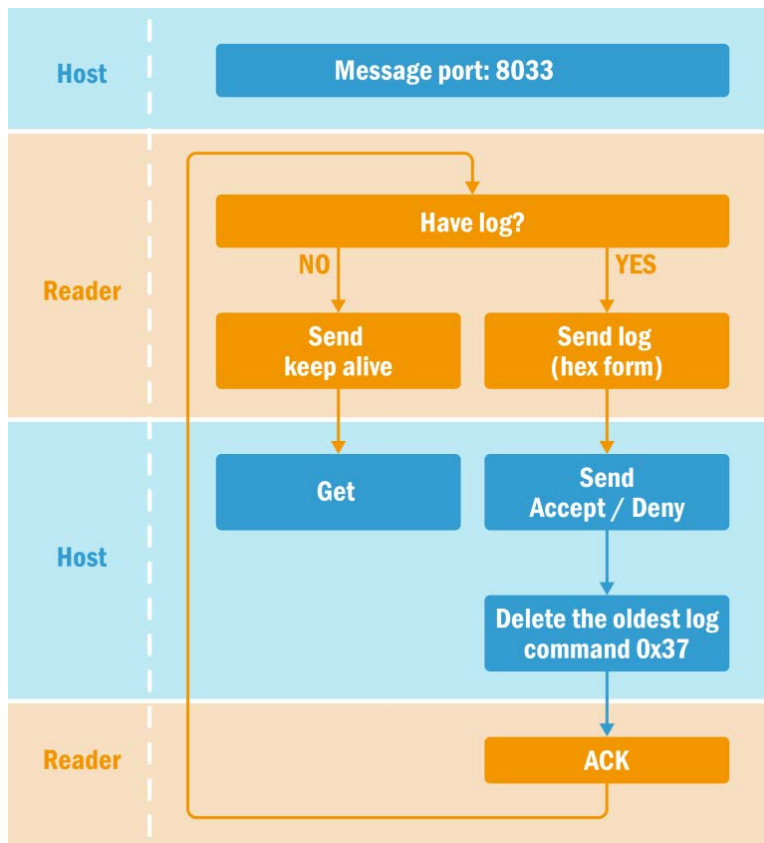
FUNCTION DESCRIPTION:

- Customized firmware required for access controller to achieve this features
- All tags are verified to “granted”, but relay is NOT triggered
- Process: When user swipe card to Reader, Reader can immediately react as “access granted” while host verifies UID to authorize access is valid or invalid. If access is invalid, door remains locked; if valid access, door is unlocked. This function reduces the waiting time for data transmission between Readers to Host and vice versa.

SCHEMATIC DIAGRAM:



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 **8033**

The screenshot shows the web interface of a SOYAL Access Controller. The browser address bar shows the IP address 192.168.1.127. The page title is "SOYAL ACCESS CONTROLLER" and the device model is "AR837E/EF" with firmware version "F/W: 4.3 200923".

The "Network Setting" section is active, displaying a warning: "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	<input type="checkbox"/>
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)

Data format: HEX Form

Example: 7E 1D 00 10 01 1B 08 12 06 0D 0B 14 01 FF FF 00 00 18 00 1F 41 01 80 5E 9B 11 30 00 F1 28 C3

Note:

When 1st server is failing, by configuring Message Server IP 2nd and Message Port 2nd as back-up server for redundancy for example 8031 (TEXT Form) or any other PORT beside 8031 or 8031, for example 8032.

For 8031, unlike 8033 mode it will automatically send transaction log without confirmation or verification in TEXT form (refer to ONE WAY HOSTING METHOD).

Any other port for example 8032, the same like Two Way Hosting in 8033, required verification when transferring the data, and the data is in HEX form.