

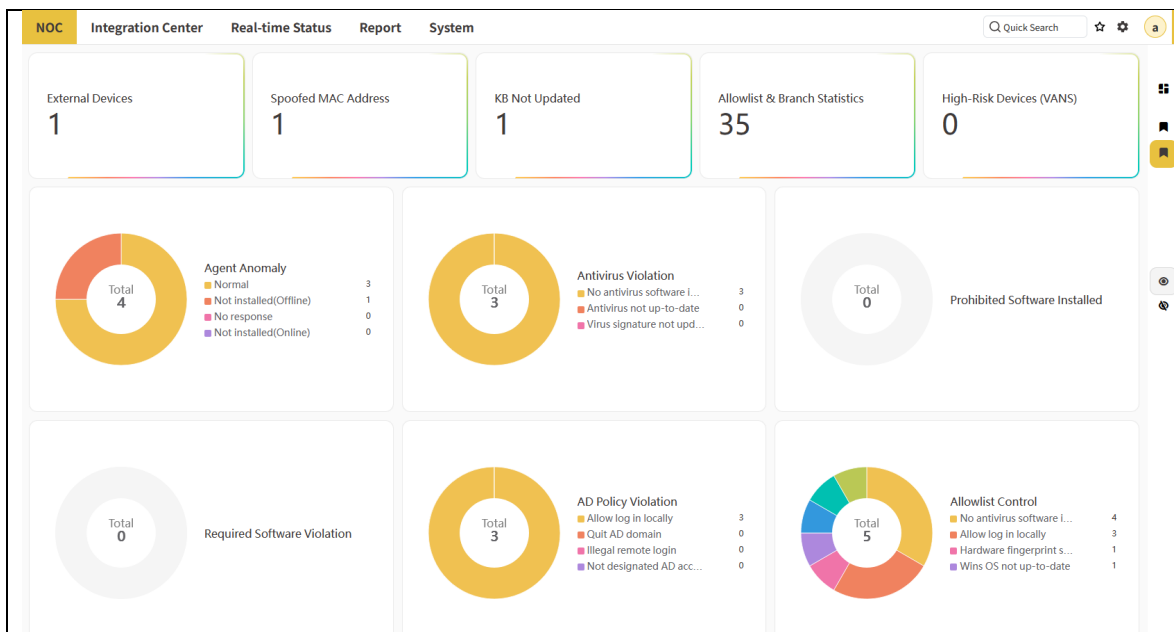
UPAS NAC Demo Handbook

01. NOC Dashboard

Scenario: IT managers lack real-time visibility of intranet assets.

Operations: Go to NOC Dashboard > Overview.

Value Proposition: *Provides 100% asset visibility and instant risk alerts.*



02. Role-Based Access (RBAC)

Scenario: Need for 'Least Privilege' and administrative auditing.

Operations: System Settings > Account.

Value Proposition: Aligns with ISO 27001 by restricting access to sensitive data.

Add an account

User type

☐ Administrator

☒ User

☐ Viewer

Account information

Manage groups

Manage features

Incident notice

☐

Event Records

☐

IP usage records

☐

IP allocation list

☐

Asset Management

☐

Online/Offline report

☐

Operation records

☐

Report settings

☐

Property Management

☐

AD

(0/6) ▼

☐

IPL

(0/4) ▼

☐

SIM

(0/7) ▼

Add an account

Cancel

03. Manual Blocking

Scenario: Immediate response required for suspicious devices.

Operations: IP information > Select Device right click > Manual Block.

Value Proposition: *Instantly isolates threats at the L2 layer with one click.*

Information Asset Management

IP Information

Control Information

Manually controlled device

Add to Allowlist

Remove from allowlist

Managed segment

Filters

IP Status

IP address

MAC address

Add filter item

Clear all

Search

Column settings

Reservation information settings

Import

Export

Select all

192.168.100.0 - 192.168.100.255

192.168.101.0 - 192.168.101.255

IP	IP Status	MAC	Action	Reservation	Computer name	Auth ID	Switch	Port
192.168.100.61	Allowlist	F0-A7-31-85-8A-FC			DECO-XE75		JOYL2	Gi0/19
192.168.100.62	Allowlist	F0-A7-31-85-94-2F			DECO-XE75		JOYL2	Gi0/23
192.168.100.72	Allowlist	78-11-DC-12-11-BC					JOYL2	Gi0/23
192.168.100.78	Allowlist	D4-F0-EA-28-12-51					JOYL2	Gi0/19
192.168.100.90	Allowlist	E8-4A-54-0F-52-6B	Block				JOYL2	Gi0/21
192.168.100.91	Allowlist	5C-CF-7F-2F-52-BB	Add to allowlist				JOYL2	Gi0/21
192.168.100.92	Allowlist	5C-CF-7F-C5-8C-2A	Remove from allowlist				JOYL2	Gi0/21
192.168.100.93	Allowlist	C8-D0-83-E1-3C-A8	Add OUI device to allowlist				JOYL2	Gi0/21
192.168.100.98	Allowlist	5C-E5-0C-16-C4-46	Computer name binding/unbind		UPASCLLOUD		joysw	Gi0/8
192.168.100.119	Allowlist	52-54-00-2D-59-CB					joysw	Gi0/7
192.168.100.140	Allowlist	26-5E-DA-7E-F1-4A			QNAPIJOY		JOYL2	Gi0/21
192.168.100.156	Allowlist	70-48-F7-CF-3D-35					JOYL2	Gi0/21
192.168.100.158	Allowlist	28-40-DD-C9-C6-A8					JOYL2	Gi0/21
192.168.100.168	Allowlist	B4-22-00-DB-7F-DA			BRN842200DB7FDA		JOYL2	Gi0/19
192.168.100.186	Allowlist	70-C9-12-6B-A1-11					JOYL2	Gi0/21
192.168.100.249	Allowlist	AC-7E-8A-AD-80-43						
192.168.100.251	Allowlist	B4-AA-E3-39-07-C1						
192.168.100.254	Allowlist	04-D5-90-B0-3B-21					joysw	Gi0/1

IP Information All devices Endpoint device(Windows) Endpoint device(macOS) Server(Windows) Server(Linux) Mobile device(Android)

Q Search

Update frequency : 121 sec [Pause](#) [refresh](#)

information	IP	MAC	Computer name	Auth ID	Switch	Port
	192.168.100.4	14-A7-8B-B7-54-2C			JOYL2	Gi0/2
	192.168.100.11	28-40-DD-96-3F-48	DHCPVM		joysw	Gi0/7
	192.168.100.38	00-11-32-51-DC-D2	SYNOLOGY_JOY		JOYL2	Gi0/1
	192.168.100.39	24-5E-BE-7E-F1-49	QNAPIJOY		joysw	Gi0/8
	192.168.100.50	7E-F3-72-C0-1A-0E	iPhone		JOYL2	Gi0/19
	192.168.100.51	F0-B6-1E-6A-B8-5A	WIN10-I9		JOYL2	Gi0/19
	192.168.100.52	36-C8-FC-7F-65-C3	IPAD		JOYL2	Gi0/21
	192.168.100.53	E0-EF-BF-A5-2F-78			JOYL2	Gi0/21
	192.168.100.54	98-ED-5C-C2-7B-73	TESLAWALLCONNECTOR_C27B73		JOYL2	Gi0/21
	192.168.100.57	D4-F0-EA-33-5B-D6	QMI-PLUG-TW02_MIBT5BD6		JOYL2	Gi0/21
	192.168.100.60	F0-A7-31-85-71-93	deco-XE75		JOYL2	Gi0/21
	192.168.100.61	F0-A7-31-85-8A-FC	DECO-XE75		JOYL2	Gi0/19
	192.168.100.62	F0-A7-31-85-94-2F	DECO-XE75		JOYL2	Gi0/23
	192.168.100.72	78-11-DC-12-11-BC			JOYL2	Gi0/23
	192.168.100.78	D4-F0-EA-28-12-51			JOYL2	Gi0/19
	192.168.100.90	E8-4A-54-0F-52-6B	xiaomi-light-lamp32_mibt526B		JOYL2	Gi0/21

04. Auto-Whitelist

Scenario: Reducing manual IT workload for new device onboarding.

Operations: System > Mac management > Setting(gear icon) > Auto-add settings.

Value Proposition: Ensures seamless connection for corporate devices while maintaining security.

← MAC management | IP management settings

Allowlist SettingsTemporary Allowlist Settings

Auto-add settings

GroupUpdate settings

Instruction:The controlled computer that comply to the following rules will be automatically added to the allowlist. (If the controlled IP is in the I

External device auto-added to allowlist:

Non-Windows device auto-add to allowlist:

AD domain devices auto-add to allowlist:

The types of automatic allowlisting devices are all MACOnly:

Events occur when a computer name of a device is incompatible with the rules of computer name:

Device Auto-added rules

Add

Auto-add rules	Content	IP
Computer name	^SERVER	
Dev. Attr.	NAS	
Work group	upas	

05. Available IP Query

Scenario: IP management is chaotic with Excel files.

Operations: System > IP Inventory.

Value Proposition: *Eliminates IP conflicts and simplifies resource allocation.*

IP Inventory

Filters

Show only filtered

Managed segment

Select all

192.168.100.0 ~ 192.168.100.255

192.168.101.0 ~ 192.168.101.255

IP Inventory					
Quick search		Query unassigned IP			
		Unallocated		Reserved IP	
		Allowlist		Unavailable	
		Unauthori			
192.168.100.1	192.168.100.2	192.168.100.3	192.168.100.4	192.168.100.5	192.168.100.6
192.168.100.10	192.168.100.11	192.168.100.12	192.168.100.13	192.168.100.14	192.168.100.15
192.168.100.18	192.168.100.19	192.168.100.20	192.168.100.21	192.168.100.22	192.168.100.23
192.168.100.26	192.168.100.27	192.168.100.28	192.168.100.29	192.168.100.30	192.168.100.31
192.168.100.34	192.168.100.35	192.168.100.36	192.168.100.37	192.168.100.38	192.168.100.39
192.168.100.42	192.168.100.43	192.168.100.44	192.168.100.45	192.168.100.46	192.168.100.47
192.168.100.50	192.168.100.51	192.168.100.52	192.168.100.53	192.168.100.54	192.168.100.55
192.168.100.61	192.168.100.62	192.168.100.72	192.168.100.78	192.168.100.90	192.168.100.91
192.168.100.98	192.168.100.109	192.168.100.110	192.168.100.111	192.168.100.112	192.168.100.113
192.168.100.116	192.168.100.117	192.168.100.118	192.168.100.119	192.168.100.120	192.168.100.121
192.168.100.124	192.168.100.125	192.168.100.126	192.168.100.127	192.168.100.128	192.168.100.129

06. Automated Reports

Scenario: Need to provide proof of compliance to management.

Operations: Report > Report settings.

Value Proposition: Automates audit reporting and saves hours of manual data collation.

Report settings

Report

Sending Management

Account management

Report Sending History

Instruction: The trend chart and bar chart will start recording data after the report settings are completed and cannot display data before the settings are made.

Filter editors(2)

Add report

Report type

Event Records(0)

IP allocation report(0)

Asset allocation list(0)

Online/Offline report(0)

Expired allowlist device report (0)

ADV(0)

PM(0)

Agent deployment report(0)

System operation record report (0)

Add Allowlist Device(0)

Unallocated(0)

SCCM Report(0)

Security Integration Management (0)

Save

Content

Copy

Report name

events

Report type

Event Records

File format

Excel

Indicator

Filter(2)

Filter

Filter(5)

Sending cycle

Date

2026/03/16

13:21

Data period

Update everyHour

Recipient

Notification	Account	Description	User type	Manage groups
☐	admin	admin	Administrator	All
☒	joy	admin	Administrator	All

07. Audit Trails

Scenario: Tracing past events for incident investigation.

Operations: Report > IP usage records / Operation records.

Value Proposition: Provides complete forensics to track device movement and admin actions.

IP usage recordsIP usage recordsIP allocation list

Filters

Date: From 2026-03-16 12:23:00 to 2026-03-16 13:23:00

IP	MAC	Computer name	IP type	Dev. Attr.	OS	Last active time	Switch	Port
✓ 192.168.100.4	14-A7-8B-B7-54-2C		S	Computer device	Linux	2026-03-08 21:00:54	JOYL2	Gi0/2
✓ 192.168.100.11	28-40-DD-96-3F-48	DHCPVM	S	Server	WindowsServer 2025	2026-03-11 21:53:15	joysw	Gi0/7
✓ 192.168.100.38	00-11-32-51-DC-D2	SYNOLOGY_JOY	S	NAS		2026-03-08 21:00:54	JOYL2	Gi0/1
✓ 192.168.100.39	24-5E-BE-7E-F1-49	QNAPJOY	S	NAS		2026-03-08 21:00:54	joysw	Gi0/8
✓ 192.168.100.50	7E-F3-72-C0-1A-0E	iPhone	D	Mobile device	iOS	2026-03-16 12:24:43	JOYL2	Gi0/19
✓ 192.168.100.51	F0-B6-1E-6A-B8-5A	WIN10-I9	D	Computer device	Windows 10	2026-03-16 08:30:49	JOYL2	Gi0/19
✓ 192.168.100.52	36-C8-FC-7F-65-C3	IPAD	D	Mobile device	iOS	2026-03-16 13:12:59	JOYL2	Gi0/21
✓ 192.168.100.53	E0-EF-BF-A5-2F-78		D	Unrecognized		2026-03-13 16:26:38	JOYL2	Gi0/21
✓ 192.168.100.54	98-ED-5C-C2-7B-73	TESLAWALLCONNECTOR_C27B73	D	Others		2026-03-12 01:10:55	JOYL2	Gi0/21
✓ 192.168.100.57	D4-F0-EA-33-5B-D6	QMI-PLUG-TW02_MIBT5BD6	D	Switch		2026-03-14 00:26:25	JOYL2	Gi0/21
✓ 192.168.100.60	F0-A7-31-85-71-93	deco-XE75	D	Computer device	Linux	2026-03-08 21:00:54	JOYL2	Gi0/21
✓ 192.168.100.61	F0-A7-31-85-8A-FC	DECO-XE75	D	Computer device	Linux	2026-03-09 00:52:46	JOYL2	Gi0/19
✓ 192.168.100.62	F0-A7-31-85-94-2F	DECO-XE75	D	Computer device	Linux	2026-03-12 00:52:45	JOYL2	Gi0/23
✓ 192.168.100.72	78-11-DC-12-11-BC		D	Detecting		2026-03-08 21:00:54	JOYL2	Gi0/23
✓ 192.168.100.78	D4-F0-EA-28-12-51		D	Detecting		2026-03-08 21:00:54	JOYL2	Gi0/19
✓ 192.168.100.91	5C-CF-7F-2F-52-BB	ESP_2F52BB	D	Detecting		2026-03-08 21:00:54	JOYL2	Gi0/21
✓ 192.168.100.92	5C-CF-7F-C5-8C-2A	ESP_C58C2A	D	Detecting		2026-03-08 21:00:54	JOYL2	Gi0/21
✓ 192.168.100.98	5C-E5-0C-16-C4-46		D	Detecting		2026-03-08 21:00:54	JOYL2	Gi0/23
✓ 192.168.100.119	52-54-00-2D-59-CB	UPASCLOUD	S	Server	Windows Server 2022	2026-03-11 22:07:29	joysw	Gi0/8
✓ 192.168.100.121	52-54-00-87-DE-EC	WIN-RORKJ9T4I8N	S	Computer device	WindowsServer 2025	2026-03-16 13:17:07	joysw	Gi0/8
✓ 192.168.100.140	26-5E-DA-7E-F1-4A	QNAPJOY	S	Computer device	Linux	2026-03-08 21:00:54	joysw	Gi0/7
✓ 192.168.100.148	F8-FE-5E-6F-DA-98	NUC-SERVERALL	S	Computer device	Windows	2026-03-11 05:57:22	joysw	Gi0/3
✓ 192.168.100.156	70-48-F7-CF-3D-35		S	Detecting		2026-03-08 21:00:54	JOYL2	Gi0/21
✓ 192.168.100.158	28-40-DD-C9-C6-A8		S	Detecting		2026-03-14 11:03:54		

Operation recordsOperation records

Q Search

Sensor QueryAll sensorAccount Please selectSearch by timeThis monthSearch by date

TypeAllAdvanced searchAllSearch

Query time range from 2026/03/01 00:00:00 to 2026/04/01 00:00:00

ID	User type	Category	Modification	Before	After
admin	Administrator	Allowlist	Add to allowlist(Storage equipment)	Disable	Enable
admin	Administrator	ROM	Remote desktop	N/A	UPASCLOUD Remote desktop connec
admin	Administrator	ROM	Remote desktop	N/A	WIN10-I9 Remote desktop connector
admin	Administrator	Login/Logout	Logout	N/A	N/A
admin	Administrator	ROM	Connection Prompt Settings	N/A	Watermark text(UPAS CONNECTING)/
admin	Administrator	IP retained	Added IP retention rule		192.168.100.0 ~ 192.168.100.255@rar
admin	Administrator	IP retained	Added the MAC address from the allowlist to the IP retention list		DHCPVM@2840DD963F48
admin	Administrator	IP retained	Added the MAC address from the allowlist to the IP retention list		@14A78B87542C
admin	Administrator	Login/Logout	Login	N/A	N/A
admin	Administrator	Login/Logout	Logout	tomcat shutdown	N/A
admin	Administrator	AD	Add AD management. list	N/A	Public computer / WIN10-I9
joy	Administrator	Login/Logout	Logout	N/A	N/A
joy	Administrator	Login/Logout	Login	N/A	N/A
admin	Administrator	Login/Logout	Logout	N/A	N/A
joy	Administrator	Login/Logout	Logout	N/A	N/A
joy	Administrator	Login/Logout	Login	N/A	N/A
admin	Administrator	Login/Logout	Logout	N/A	N/A
admin	Administrator	Account setting	Added account	N/A	joy/admin/admin
SYSTEM	Administrator	SIM management	Monitoring list settings	N/A	192.168.100.11/2840DD963F48
admin	Administrator	Allowlist	Add Allowlist	N/A	192.168.100.11/2840DD963F48
admin	Administrator	Chart Settings	Add Chart	N/A	TFCT

08. Group Management

Scenario: Managing thousands of devices requires logical organization.

Operations: System > Mac management > Setting(gear icon) > Group.

Value Proposition: *Enables granular policy application across different departments or floors.*

← MAC management | **IP management settings** | Allowlist Settings | Temporary Allowlist Settings

Auto-add settings | **Group** | Update settings

Instruction: When the "Group settings and query" is ON, it is able to edit the device group on the allowlist page.

+

Add group

Category priority settings

Group categorize condition settings

Group name

Grouping rules

Allowlist (0 / 37)

192.168.101.X (4) ×

linux (5) ×

MAC (0) ×

Uncategorized (23)

WINDOWS (5) ×

Group name:

Allowlist

Group Classification :

Group type

+

Add subgroup

Subgroup1 :

192.168.101.X

Group Classification :

By IP management segment

Content :

192.168.101.0 ~ 192.168.101.255

Subgroup2 :

linux

Group Classification :

By device attribute

Content :

Computer device/Linux

Subgroup3 :

MAC

Group Classification :

By device attribute

Content :

Computer device/OSX

Subgroup4 :

Uncategorized

Group Classification :

Group type

Subgroup5 :

WINDOWS

Group Classification :

By device attribute

Content :

Computer device/Windows Server/Windows

Add group

Group :

Allowlist

Group name :

Group Classification :

Select an item

Select an item

By Sensor

Set by site

By IP management segment

By IPv4 custom segment

By device attribute

By computer name

Confirm

Cancel

09. IPL (Switch Module)

Scenario: Identifying physical connection points (where is it plugged in?).

Operations: System > IPL .

Value Proposition: Visualizes the physical network layer and prevents unauthorized hardware hubs.

IPL MAC/Switch Port Information Switch topology

MAC/Port binding

Switch IP	Switch name	Brand	Switch Port No.	Port No.	IP	MAC	Computer name	Dev. Attr.
The first layer								
192.168.100.249	joysw	Cisco	10	Gi0/1	192.168.100.254	04-D5-90-B0-3B-21		Firewall
				Gi0/8	192.168.100.119	52-54-00-2D-59-CB	UPASCLOUD	Server
				Gi0/8	192.168.100.39	24-5E-BE-7E-F1-49	QNAPJOY	NAS
				Gi0/8	192.168.100.121	52-54-00-87-DE-EC	WIN-RORKJ9T4I8N	Server
				Gi0/7	192.168.100.140	26-5E-DA-7E-F1-4A	QNAPJOY	Computer de
				Gi0/7	192.168.101.40	26-5E-DB-7E-F1-4A		Detecting
				Gi0/7	192.168.101.39	24-5E-BE-7E-F1-4A		Computer de
				Gi0/7	192.168.100.11	28-40-DD-96-3F-48	DHCPVM	Server
				Gi0/7	192.168.101.10	52-54-00-25-9D-A6	DHCPVM	Server
				Gi0/5		20-88-10-5E-2A-7C		
				Gi0/5		20-88-10-5E-2A-7C		
				Gi0/3	192.168.100.148	F8-FE-5E-6F-DA-98	NUC-SERVERALL	Computer de
				Gi0/2	192.168.101.254	04-D5-90-B0-3B-22		Firewall
The second layer								
192.168.100.251	JOYL2	Cisco	27	Gi0/21	192.168.100.158	28-40-DD-C9-C6-A8		Detecting
				Gi0/21	192.168.100.52	36-C8-FC-7F-65-C3	IPAD	Mobile device
				Gi0/19	192.168.100.168	B4-22-00-DB-7F-DA	BRNB42200DB7FDA	Internet print

Advanced search

Multiple MAC address

MAC address No.

Search

[← IPL](#) | [MAC/Switch Port information](#)>[MAC/Port binding](#)

Save

Switch IP	Switch name	Brand	Switch Port No.	Port No.	IP	MAC	C
The first layer							
192.168.100.249	joysw	Cisco	10	Gi0/1	192.168.100.254	04-D5-90-B0-3B-21	
				Gi0/8	192.168.100.119	52-54-00-2D-59-CB	U
				Gi0/8	192.168.100.39	24-5E-BE-7E-F1-49	Q
				Gi0/8	192.168.100.121	52-54-00-87-DE-EC	V
				Gi0/7	192.168.100.140	26-5E-DA-7E-F1-4A	Q
				Gi0/7	192.168.101.40	26-5E-DB-7E-F1-4A	
				Gi0/7	192.168.101.39	24-5E-BE-7E-F1-4A	

10. GAM (Guest Access)

Scenario: Visitors need Wi-Fi without compromising the corporate core.

Operations: System > GAM

Value Proposition: *Securely manages visitor access with full identity and logs.*

UPAS  ou have any questions, please don't hesitate to contact us. Department : Personnel : Phone number :	Applicant's information Name Department Phone number E-mail Guest's information Name Visiting department Phone number E-mail	Visit date YYYY/MM/DD 8 hr Expiry date YYYY/MM/DD 8 hr Remarks Optional Confirm <u>Query Pincode applies records.</u>
---	--	---

 Now Used IP/MAC : 192.168.100.148/F8FE5E6FDA98	Visitor information : Joy YYY 12345 123@123.123 Please provide your name, telephone and other information , So that company staff can open Internet access for you ! Use Pincode , Log in here send
---	---

11. IDC (Identity Control)

Scenario: Device security isn't enough; identity verification is key.

Operations: System > IDC.

Value Proposition: Implements Zero Trust by verifying the 'Person' before allowing network access.



Being used IP/MAC :
192.168.100.148/F8FE5E6FDA98

Employee network system

Applicant's information

IP Information  All devices Endpoint device(Windows) Endpoint device(macOS) Server(Windows) Server(Linux) Mobile device(Android)

Q Search

Update frequency: 121 sec [Pause refresh](#)

Information	IP	MAC	Computer name	Auth ID	Switch	Port
	 192.168.100.78	D4-F0-EA-28-12-51			JOYL2	Gi0/19
	 192.168.100.90	E8-4A-54-0F-52-6B	xiaomi-light-lamp32_mibt526B		JOYL2	Gi0/21
	 192.168.100.91	5C-CF-7F-2F-52-BB	ESP_2F52BB		JOYL2	Gi0/21
	 192.168.100.92	5C-CF-7F-C5-8C-2A	ESP_C58C2A		JOYL2	Gi0/21
	 192.168.100.93	C8-D0-83-E1-3C-A8	JIATINGJUYUAN		JOYL2	Gi0/21
	 192.168.100.98	5C-E5-0C-16-C4-46			JOYL2	Gi0/23
	 192.168.100.119	52-54-00-2D-59-CB	UPASCLLOUD		joysw	Gi0/8
	 192.168.100.121	52-54-00-87-DE-EC	WIN-RORKJ9T4I8N		joysw	Gi0/8
	 192.168.100.140	26-5E-DA-7E-F1-4A	QNAPIJOY		joysw	Gi0/7
	 192.168.100.148	F8-FE-5E-6F-DA-98	NUC-SERVERALL	5068joy	joysw	Gi0/3