

Using Trusted IPs

This application note describes how to use Trusted IPs. You can enable this feature using ACEmanager and AirLink Management Service (ALMS).

For more information about getting started with ALMS, see source.sierrawireless.com/airvantage/alms/

For general information about configuring your system using ALMS, see doc.airvantage.net/av/reference/monitor/howtos/changeASystemConfiguration/

Trusted IPs—Inbound restricts access to the AirLink gateway and all LAN connected devices. When enabled, IP packets with a source address not matching those in the list or range of trusted hosts will be ignored/dropped by the gateway.

Warning: Please note, once Trusted IP functionality is enabled, you will be unable to connect to any services on the gateway, including ACEmanager, unless your IP is in the trusted IP range or list.

Configuring Inbound Trusted IPs using ACEmanager

You can configure Trusted IPs for inbound traffic on the ACEmanager Security page.

Status	WAN/Cellular	Wi-Fi	LAN	VPN	Security	Services	Location	Events Reporting	Serial	Applications	I/O	Admin
ast updat	ed time : 11/8/2016 -	4:06:31 PN	1							Apply	Refresh	Cance
Port For	warding		AT Inbour	nd Trusted IP	(Friends List) N	Node		Enable 🗸				
Extende	ed Port Forwarding	i.	Inboun	d Trusted IP	List							
Port Filtering - Inbound								Trusted IP				Add More
Port Filt	ering - Outbound		Inboun	d Trusted IP	Range							
Trusted	IPs - Inbound (Frie	nds)			F	Range Start				Range End		
Trusted	IPs - Outbound		X		64.100	10.2			64.1	00.10. <mark>1</mark> 6		
												Add More

Figure 1: ACEmanager: Security >Trusted IPs - Inbound (Friends)

Field	Description
Inbound Trusted IP (Friends List) Mode	Disables or Enables port forwarding rules. Options are Disable (default) or Enable.
Inbound Trusted IP List	Enter a single trusted IP address for example 64.100.100.2. Click Add More to add additional IP addresses to the list.
Inbound Trusted IP Range	Use this section of the page to enter a range of trusted IP addresses.

Field	Description
Range Start	Specify the start and end IP addresses for the trusted IP address range, for
Range End	Ranges End would allow 64.100.10.5 but would not allow 64.100.10.16.

Configuring Trusted IPs using ALMS

The most efficient way to configure Trusted IPs is to create a template and then apply the template to several devices at once.

To create and save a template:

1. On the AirVantage menu, click Configure and select Templates.

🛞 AirVantage	🍽 Register	🖽 Monitor	🍄 Configure	⊁ Develop
Welcomo			Templates	
welcome	•		Datasets Alert Rules	
Focus on Eve	rything -		Labels	

2. Click the Create button, and select Brand-new.

Air 🛞	Vantage	📕 Register	🖽 Monitor	🔅 Configure	🗶 Develop	p			0	२ 🖂 🛒		
					Templates	Datasets	Alert Rules	Labels				
× Filters Comp	Name Dany = Demo		- (Name		+				+ ▼ Brand-new From System	wing 1 to 50 of 244 entries	C (
	Name		Desci	ription			Application		Revisio	n	Actions	
	TTHROOP-M	IP70WiFi				,	ALEOS MP70		4.6.1.0	17		
	GM-AVTA-10)1				1	AVTA		1.0.1			

The Create template window appears.

3. Select the application and firmware to which you want to apply the template.

Create template		
Create template based on a	n application data	
Application / Firmware	Select an Application	۹.
	aleos mp70	٩
	ALEOS MP70 F (4.9.2.001)	2ontinue Cancel
From MP70	ALEOS MP70 F (4.9.1.002)	480.021
	ALEOS MP70 F (4.9.0.040)	1.0.0
	ALEOS MP70	1.0.0
		- 3.0

4. Click Continue.

A page of ALEOS setting appears.

- **5.** Click Security > Trusted IPs.
- 6. On the Inbound Trusted IP (Friends List) Mode field, select Enable.

	Quickly find an	v data		*	
ALEOS MP70 (4.9.2.001) / Security / 1	Trusted IPs	s - In	bound (Friends) Select All DATA		
					🕑 Only settings
Inbound Trusted IP (Friends	s List) Mode		Select an option		
			Disable		
Inbound Trusted IP List			Enable		
Trusted IP					

- **7.** In the fields below Inbound Trusted IP List, enter trusted IP addresses; for example, 64.100.100.2.
- **8.** In the fields below Inbound Trusted IP Range, specify the start and end IP addresses for the trusted IP address range; for example, entering 64.100.10.2 as the Range Start and 64.100.10.15 as the Range End would allow 64.100.10.5 but would not allow 64.100.10.16.
- 9. In the Modified settings window at the bottom of the page, click Save.
- **10.** In the Save Template window, enter a name and description for your template.

Save Template		
Provide a name and a descri	iption	
Name	Create or select a Template	4
Description	MP70 Disable Remote ACEmanager (New)	
		Save Cancel

11. Click Save.

To apply the template to your devices:

1. Click Monitor and select Systems.

⊗• AirVantage	🍽 Register	III Monitor	🗱 Configure	🔀 Develop
Walcomo		Systems		
welcome		Alerts		
		Operations		

The list of systems appears.

- 2. Using the checkboxes along the left side, select the systems you want to configure.
- **3.** Click the Apply template button.



4. In the Apply template window, select your template.

Apply template			
Select the template to appl	to your 4 selected Systems		
Template	Select a Template	~ Q.	
	🕑 Reboot		i
Advanced settings	• •		
		Apply template Ca	ncel

5. Click Apply template.