

How to Fix Slow Network Connection

I. Applicable Scenarios

Many users may feel the speed of their newly configured devices not satisfied. As a result, the project cannot be smoothly accepted. This document describes network optimization to achieve ideal speed for customers.



III. Troubleshooting

- 1 Check whether the device is used in a Gigabit Internet.
- 2 Check whether the issue is caused by an external network cable.
- 3 Adjust the flow control policy.
- 4 Disable uplink attack defense and remove the limit on the number of sessions.





Check whether the device is used in a Gigabit Internet.

(1) Check the specifications of network cables :

CAT5: maximum rate of 100 Mbps, mainly for 100BASE-T and 10BASE-T networks.

CAT5e and CAT6 : mainly used for Gigabit Ethernet (1000 Mbps)

(2) Check whether the network port between the router and optical modem, and that between the optical modem and computer can normally negotiate at 1000 Mbps.

	2 2 	
ieneral		
Connection		
IPv4 Connectivi	ty:	Internet
IPv6 Connectivi	ty:	No network access
Media State:		Enabled
Duration:		06:02:11
Speed:		1.0 Gbps
A ethaitha		
Activity	Sent —	Received
Activity Bytes:	Sent — 21,926,121	Received
Activity Bytes:	Sent — 21,926,121	Received 167,225,244 Diagnose

2 Check whether the issue is caused by an external network cable.

- (1) In the same time period, use the same terminal and same measurement method to measure the speed when the terminal is directly connected to the optical modem and when the terminal is directly connected to the gateway. Then, compare whether the test results have a great difference.
- (2) Change a terminal and a measurement method, and measure again.
- (3) If the results still differ greatly, contact the Internet Service Provider (ISP).

Notice

Recommended speed measurement websites: https://www.speedtest.net; ISP's speed test websites





3 Adjust the flow control policy.

If flow control is enabled, improve the terminal speed in the following methods:

- >> Method 1: Disable flow control.
- Method 2: Configure the terminal as Audit-Exempt User while keeping flow control enabled.
- Method 3: Configure a no-rate-limit policy for the terminal while keeping flow control enabled.
 - (1) Disable Flow Control.

Choose Flow > Flow Control Policy > Smart Flow Control, and switch Flow Control to OFF.

Ruijie EG			Scenario: General 🙆	Config Wizard	A Online Service	Hi, admin 🗸 📍
Home	Traffic Monitoring	Smart Flow Control				
Common	Flow Control Policy	Note: Entertainment template and office template give priority to your entertainment and office application respectively. You can also customize a template by selecting the expert template. Tip: Please make sure that the bundwidth settings are correct.				
i⊭ Flow	Object	Flow Control.				
😨 Behavior						
(A) Cache						
() Security						
O User						
(Network						
© ₩LAN						
-						



(2) Configure the terminal as Audit-Exempt User.

A. Create the corresponding user.

Choose User > User > Common User > root, and click Add User(IP Range).

Ru	JIE EG		Scenario: General 📀 🥫 Config Wizard 📯 Online Service 🛛 Hi, admin 🗸
Home	User	Common User Import/Export User Special User	
	Web Auth Local Auth Block Internet	User Structure	Path: root Action Behavior Policies: 1 records Details: X Delete 🗹 Edit Selected Search by Name Search
Behavior	Access		Name IP/MAC Address VPN Permissions Behavior Policy Details Action No Record Found
(🏹 Cache			Show No.: 10 V Total Count: 0
() Security		AD Domain User Structure 🔮	
Q User		AD-Domain-Users	
() Network			
🔶 WLAN			
(©) Advanced			
		Model: ES2100-P Web Version: 2020.08-17:15 Details	@2000-2022 Buijie Networks Co., Ltd Service Portal Service Mail Official Website Online Service





Configuration description:

User Name: Enter the value as required, such as **Test**. **IP&MAC:** Select **IP Address**, and enter the wireless network segment for visitors "192.168.30.1–192.168.30.254" (enter the network segment for test on the router intranet here).

Keep the default configuration of other parameters, and click **OK**.

Ruj	jie eg		Scenario: General 🤫 🧖 Config Wizard 😤 Online Service 🛛 Hi, admi	• •
∆ Home	User	Common User Import/Export User Special User		
Ē	Web Auth	User Structure	Path: (oot Action	
Common	Local Auth	+ 🗅 root	Behavior Policies: 1 records D Details	
Flow	Block Internet Access		□	
Behavior			User Name: Test IPR/MAC: @IP.Address OIPR/MAC ONo IP.Address	
Cache			Show Nc 192.168.30.1-192.168.30.254 3 R First 1 Pro Nort 1 Lost 11 1 60	
User		AD Domain User Structure 😨	OK	
() Network	¢ .			
ি WLAN				
(ලි) Advanced				



B. Add Audit-Exempt User.
 Choose Behavior > Behavior Policy > Audit-Exempt User
 > Add Audit-Exempt User.





Ruijie EG		Scenario: General 💡	Config Wizard	오 Online Service	Hl, admin 🗸
Home Behavior Policy	Basic Settings Advanced Settings				
Realtime Audit	Enable Audit: ElWebsite ElHTTPS Audit				
Common Object					
Flow					
5	App Blacklist User Blacklist Audit-Exempt User				
Cache	File Extension Website Audit-Exempt URL				
Security	Blacklist Blacklist/Whitelist				
8					
User (5)					
Network					
WLAN					
0					
Advanced					
	Model: EG2100-P. Web Version: 2020.08.17.15. Details	2000-2022 Ruijie Networks Co.	Ltd Service Portal Servic	e Mail Official Website	Online Service 🖕
Ruijie EG		Scenario: General 🔗	Config Wizard	A Online Service	Hi, admin 🗸 🌷
Home Behavior Policy	Basic Settings Advanced Settings				
Realtime Audit	Enable Audit: SWebsite SHTTPS Audit				
Common Object					
Flow	Add Audit-Exempt User - Personal - Microsoft Edge		0 X 4*		
■ [1] Behavior	App Blacklist User Blacklist Audit-Exempt User		262		
0	User Name IP Ac = Add Audit-Exempt User	× trol-Exempt	Action		
Cache	File Extension Website Audit-Exempt URL Show No.: 10 V Total Count: 0 Q	Next Last H	1 GO		
Security	Blacklist Blacklist/Whitelist				
L User					



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- (3) Configure a no-rate-limit policy for the terminal.
- A. Enable flow control.
 - Choose Flow > Flow Control Policy > Smart Flow Control, and switch Flow Control to On.

Ruijie EG			Scenario: General 🛛	Config Wizard	오 Online Service	Hl, admin 🗸 🍈
∂ Home	Traffic Monitoring	Smart Flow Control				
Common	Flow Control Policy	Note: Entertainment templete and office template give priority to your entertainment and office application respectively. You can also customize a template by selecting the expert template. Tip: Please make sure that the bandwidth settings are correct				
l≁ Flow	Object	Flow Control: 075 If you want to test the network speed, please disable flow control first.				
Behavior						
(À) Cache						
(U) Security						
User						
Ø Network	5					
₩LAN						
(බූ Advanced						
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B. Select **Expert** for **Select Template**, select the interface, and enter the bandwidth. Then, click **Save**.

Notice

Enter the actual bandwidth values of the external network. If both the uplink and downlink bandwidth is 1000Mbps, enter 1000 in both Downlink and Uplink.

Rujie EG		Scenario: General 🛛	Config Wizard	R Online Service	Hi, admin 🗸 🗍
Home Traffic Monitoring	Smart Flow Control				
Common Policy	Note: Entertainment template and office template give priority to your entertainment and office application respectively. You can also custo Tip: Please make sure that the bandwidth settings are correct	omize a template by selecting the expert template.			
Object Flow	Fiew Control I you want to test the network speed, please disable flow control first.				
Behavlor	Select Temptate: Expert				
Cache	Interface: 🗹 GI0/0 🗋 D(1				
() Security	Gi0/0 Bandwidth: Downlink 1000 Mbps Uplink 1000 Mbps				
ی User	Save				
() Network					
(R) WLAN					
() Advanced					
	Model: EG2100-P Web Version: 2020.08.17.15 Details	@2000-2022 Ruijie Networks Co., Ltd Service	Portal Service Mail	Official Website C	Inline Service _
Click	Save and then OK.				





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Ruíjie EG	172.26.5.195 says	Scenario: General 🛛 🔽 Conflig Wizard 🔍 Online Service 🛛 Hi, adn
Home Traffic Monitoring	Smart Flow Control OX Cancel	
Common Policy	Note: Entertainment tamplate and office template give priority to your entertainment and office application respectively. You can also costomize a template by selecting the expert template Tip: Please make sure that the bandwidth settings are cornect.	10.
Now Object	Flow Control: ON If you want to test the network speed, please disable flow control first	
(The based or	Select Template: Expert ~	
(A)	Interface: 🛱 Gi0/0 🗆 Dit	
. ①	Gi00 Bandwidth: Downlink, 1000 Mbps Uplink, 1000 Mbps	
Security		
User 63	Save	
Network		
WLAN		
WLAN Ø Advanced		
WLAN Movanced		
WLAN Advanced		
WLÂN (O) Advanced		
WLAN Ø Advanced	Model: E02100-9 Web Version: 2020.00.17.15 Details	@2000-2022 Ruijie Networks Co., Ltd Service Portal Service Mail Official Website Online Se
WLAN	Model: EG2100-P. Web Version: 2020.06.17.15 Details	©2000-2022 Ruijie Networks Co., Ltd Service Portal Service Mail Official Website Online Ser Scenario: General @ Config Wizard @ Online Service Hi, add
WLAN Advanced Ruffe EG Home Traffic Monitoring	Model: E02100-9 Web Version: 2020.06.17.15 Details Smart Flow Control 172.26.5.195 says	©2000-2022 Ruijie Networks Co., Ltd Service Portal Service Mail Official Website Online Ser Scenario: General @ Config Wizard & Online Service HI, add
WLAN Advanced RUJE EG Home Traffic Monitoring Policy Policy	Model: E02100-P. Web Version: 202008.17.15 Details Smart Flow Control Kes 2 Intracement in make and sea in m	@2000-2022 Ruijje Networks Co., Ltd Service Portal Service Mail Official Webalte Online Ser Scenario: General @ Config Wilzard & Online Service Hi, adm
WLAN Advanced RUJEEEG Home Fow Control Policy Object Flow	Model: E02100-9 Web Version: 2020/0617/15 Details: Smart Flow Control From From Control From From Control From From From Control From From From From From From From From	©2000-2022 Ruijje Networks Co., Ltd Service Portal Service Mail Official Website Online Ser Scenario: General @ Config Wizard & Online Service Hi, add
WLAN Advanced RUJE EG I ome Home Fow Common Pow Control Pow Con	Model: EC2100-P Web Version: 2020/0017/15 Details Smart Flow Control From	©2000-2022 Ruijie Networks Co., Ltd Service Portal Service Mail Official Webaite Online Service HI, adri Scenario: General @ Config Wizard R Online Service HI, adri

0 User	Save	
() Network		
(₩LAN		
(© Advanced		
	Model: EG2100-9 Web Version: 2020.08.17.15 Details @2000-2022 Ruijie Networks Co. Ltd Service Portal Service Mail Official Website	Online Service

C. Change the policy.

To configure a no-rate-limit policy, choose **Flow > Flow Control Policy > Change Policy**, and click **Add Policy**.

>> Configuration description:

Policy Name: Customize a name, such as "No_Rate_Limit". **Bandwidth:** Select **No Rate Limit**.

User: Select Local User, and select a user, such as Test.

Selected App: Keep the default selection All.

Active Time: In the Advanced tab, select Any Time or specify a time range.





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			Scenario: General 😮 🛂 Config Wizard 🔀 Online Service Hi, admin 🗸
レ Traffic Home Monitoring	Smart Flow Control Change Policy		
Flow Control	Note: The sum of min channel bandwidth cannot be gre	ater than the min bandwidth of the parent channel.	
Common Policy	+Add Policy X Delete Selected Copy Policy	Add Policy	×
● 🗠 Object Flow	Policy Name Local User	Interface: Gi0/0 🗸	/ Policy Name Priority Enable Status Action
₩.	ON_VPN All Users	Policy Name: No Rate Limit *	Bandwidth Active Edit Delete
Behavior	ON_VPN VIPUser	Note: You can enter the policy purpose here	J Local User Image: Control of the second
(A) Cache	Match_ALL_NON_VPN All Users		Active Edit Delete
	Show No.: 10 🗸 Total Count: 3		
Security			5 Selected App
<u> </u>			6 Advanced
User			
() Network			
WLAN			Back Next
(i) Advanced			
Auvanceu			
	Model: EG2100-P. Web Version: 2020.08.17.15. Details		@2000-2022 Ruijia Naturada Ca. Ltd Capica Partal I. Capica Mail J. Official Website J. Oplina Service J.
_	Woder: Ed2100-P Web Version: 2020.06.17.13 Details		
Ruíjie EG			Scenario: General 😮 🔽 Config Wizard 🖄 Online Service Hi, admin 🗸 🇴
Traffic	Smart Flow Control Change Policy		
	Note: The sum of min channel bandwidth cannot be gre	ater than the min bandwidth of the parent channel.	
Common Policy	+Add Policy ×Delete Selected D Copy Policy	\equiv Add Policy	×
• 🗠 Object	Policy Name Local User	Select Channel 😢 💿 No Rate Limit	/ Policy Name Priority ☑ Enable Status Action
Flow	Match Out Server of N All Users		2 Bandwidth & Z Active Edit Delete
Behavior	Match_VIP_Group_of_NVIPUser		Active Edit Delete
	Match ALL NON VPN All Users		
Cache	Show No.: 10 V Total Count: 3		
\bigcirc			5 Selected App
Security			
User			6 Advanced
E Contraction of the contraction			
Network			
(î;			
WLAN			Back Next
ැබූ Advanced			
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Ruíjie EG			Scenario: General 😗 🛛 🕞 Config Wizard 🖄 Online Service 🛛 Hi, admin 🗸 🏠
Traffic	Smart Flow Control Change Policy		
Monitoring	Note: The sum of min channel bandwidth cannot be gre	ater than the min bandwidth of the parent channel.	
Common Policy	+Add Policy X Delete Selected Copy Policy	⊟ Add Policy	×
• 🗠 Object	Policy Name Local Liser	☑ Local User 🔞	/ Policy Name Priority PEnable Status Action
Flow	Match_Out_Server_of_N	Q User Management	
Eshavior	Match_VIP_Group_of_N		2 Bandwidth
Demavior		Cloud_voucher	3 Local User
(🖌) Cache	Show Not 10, we Table County?		Active Edit Delete Active Ac
\bigcirc		+ CTestUsers2	GO Selected App
Security			
Q Liser			6 Advanced
60			
Network			
WLÂN			Back Next
ැබූ Advanced			
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			Scenario: General 🧭 🥵 Config Wizard 🐣 Online Service 🛛 Hi, admin 🗸
Home Monitoring	Smart Flow Control Change Policy	star than the min bandwidth of the parent share-1	
Flow Control Common Policy	+ Add Policy × Delete Selected Conv Policy	E Add Policy	×
• 🗠 Object	Policy Name Local User	External User	/ Policy Name Priority Depable Status Action
Flow	Match_Out_Server_of_N All Users		Randwidth
⊈ o Behavior	Match_VIP_Group_of_N ON_VPN		∠ Bandwidth <
a	Match_ALL_NON_VPN All Users		J Local User
Cache	Show No.: 10 🗸 Total Count: 3		4 External User
(1) Security			Selected App
2			6 Advanced
User			
(S) Network			
WLAN			Back Next
ද්රා Advanced			
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2.5			
Aujie EG			Scenario: General 😮 🔽 Config Wizard 🖄 Online Service Hi, admin 🗸
Traffic Home Monitoring	Smart Flow Control Change Policy		
Flow Control	Note: The sum of min channel bandwidth cannot be gre	ater than the min bandwidth of the parent channel.	
Common Policy	+Add Policy X Delete Selected Copy Policy		
■ Object Flow	Policy Name Local User	C Add O Available App Group	/ Policy Name Priority Enable Status Action
	ON_VPN All Users		2 Bandwidth
Behavior	ON_VPN VIPUser	+ Social_applicatio	3 Local User
(🏹 Cache	Show No.: 10 V Total Count: 3	+ □ ☑ Online_Shoppinc + □ ☑ HTTP-VIDEO	Active Edit Delete Active Edit Delete Previous 1 Next Last 1 Co
		 ✓ MeiTuXiuXiu ✓ 12306 	<i>5</i> Selected App
Security		■ MaiDuWenKu	6 Advanced
User			
⊗.		+ WFRMail	
Network			
WLAN			Back Next
©			
Aqvanceq			
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Ruíjie EG			Scenario: General 👔 🔽 Config Wizard 🖄 Online Service Hi, admin 🗸
Traffic Home Monitoring	Smart Flow Control Change Policy		
Flow Control	Note: The sum of min channel bandwidth cannot be gre	ater than the min bandwidth of the parent channel.	
Common Policy	+Add Policy X Delete Selected D Copy Policy		
✓ Object Flow	Policy Name Local User Match Out Server of N	Active Time: Any Time	/ Policy Name Priority Enable Status Action
	ON_VPN All Users	External IP Group: All External IPs Select IP Group	2 Bandwidth
Behavior	ON_VPN VIPUser	VPN Flow Control: Match VPN Traffic (If you select this option, this policy is applied to only VPN users)	3 Local User
(🌶) Cache	Show No: 10 V Total Count: 2		Active Edit Delete Active Edit Delete
	iv i iour courte o		<i>S</i> Selected App
Security			6 Advanced
User			
\otimes			
Network			
WLAN			Back Finish
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Advanced			
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Ru	jie eg				172.26.5.195 says			Scenario:	General 💡 🛛 🕞 Co	onfig Wizard	오 Online	Service	Hi, admin 🗸 🇴
	Traffic	Smart Flow Control	Change Policy		"Gi0/0" is configured with	policy "No_Rate_Limit" .C	Operation succeeded						
	Monitoring	Note: The sum of min channe	bandwidth cannot be grea	ater than the min bandwidth of t			ок						
Common	Flow Control Policy	+Add Policy ×Delete Sel	ected 🗍 Copy Policy	\equiv Add Policy					×				
• 🗠	Object	Policy Name	Local User	Active Time: Any	Time 🗸 Time	Management			/ Policy Name	Priority	🛛 Enable	Status	Action
Flow		Match_Out_Server_of_N	All Users	External IP Group: All Ex	ternal IPs Select IP Group)			2 Bandwidth			Active	Edit Delete
Behavior		Match_VIP_Group_of_N ON_VPN	VIPUser	VPN Flow Control:	tch VPN Traffic (If you select :	this option, this policy is	applied to only VPN users)		Z Local User	\$		Active	Edit Delete
Ø		□ Match_ALL_NON_VPN	All Users			ano opaon, ano ponej io				۲		Active	Edit Delete
Cache		Show No.: 10 🗸 Total C	ount: 3						4 External User	Previous	1 Next	Last 🕨	1 GO
(!) Security									5 Selected App				
8									6 Advanced				
User													
Network													
((•													
WLAN								Ва	ack Finish				
දිරි Advanced													
		Model: EG2100-P Web Version: 3	2020.08.17.15 Details					@2000-2022 Ruiji	ie Networks Co., Ltd Service	e Portal Servio	e Mail Offici	ial Website	Online Service 🖕
Rui	jie eg							Scenario:	General 😮 🛛 🗔 Co	onfig Wizard	오 Online	Service	Hi, admin 🗸
1 Home	Traffic Monitoring	Smart Flow Control	Change Policy										
曲		Note: The sum of min channe	bandwidth cannot be grea	ater than the min bandwidth of t	the parent channel.								
Common	Policy	+Add Policy ×Delete Sel	ected 📋 Copy Policy I	Interface: Gi0/0 🗸 Three	shold: 92 % Sav	re							
• 🗠	Object	Policy Name	Local User	External User	App Group	VPN	Advanced	Time	Channel	Priority	🗹 Enable	Status	Action
		No_Rate_Limit	Test	All Users	All	Cancel	External IP Object: All External IPs	Any Time	No Rate Limit	•	✓	Active	Edit Delete
Behavior		Match_Out_Server_of_N ON_VPN	All Users	All Users	All	Cancel	External IP Object: Out_Server	Any Time	Key_Channel 🗐	ا ال	v	Active	Edit Delete
		Match_VIP_Group_of_N ON_VPN	VIPUser	All Users	All	Cancel	External IP Object: All External IPs	Any Time	Key_Channel 🔳	€ -		Active	Edit Delete
Cache		Match_ALL_NON_VPN	All Users	All Users	All	Cancel	External IP Object: All External IPs	Any Time	default 🔳	۲		Active	Edit Delete
Security		Show No.: 10 🗸 Total C	ount: 4						I First	Previous	1 Next	Last 🕨	1 GO



4 Disable uplink attack defense and cancel the limit on the number of sessions.

These limits can affect the maximum speed that can be measured. Before speed measurement, disable relevant limits or set no limitation separately for the test computer.

- (1) Disable Uplink Attack Defense.
 - Choose Security > Max Sessions > Uplink Attack Defense
 - > Global Config, change the value to 0, and save the configuration.
 - Configuration description: When the rate of an uplink speed test packet exceeds the limit, the packet will be discarded, which affects the speed measurement.





Ruíjie EG				Scenario: General 🥹	Config Wizard 🔗 Online Servi	ce Hi, admin 🗸 🕺		
Home	IPS	Global Sessions						
ŧ	Interface Access Control	Attack Defense						
Common	ARP	Note: Prevent forwarding error caused by intra	met user attack.					
Flow	ACL	Uplink Attack Defense: [Global Config] [Single IP Config] 🔞	💯 Attaick Defense - Global Uplink Attack Defense Config - Personal - Mercosoft Edge	x a			
Behavior	Max Sessions	New Session Limit: (Global Config] [Single IP Config] [Sessions Attacks List]	A Not secure 172.26.5.195/session_pi/safe_att_uploadlimitglobal.htm	A th			
(A)		Session Limit Note: If you want to configure a policy based on the IP address (for example server IP or egress port IP), ple +Add Sessions Policy DaView Sessions Per IP		Global Uplink Attack Defense				
Security				Uplink Packets Per IP: 0 pps (0 - 100000) 3:000-5:000 recommended.				
8				Save				
User		Policy Type	User/ACL			Action		
Network		User-Based	All Users			Edit Delete		
Ŷ		Show No.: 10 V Total Count: 1				M 1 GO		
WLAN								
්ලි Advanced								
						4		
		Model: EG2100-P Web Version: 2020.08.17.15 D	etalis	@2000-2022 Ruijie Networks Co., L	td Service Portal Service Mail Official We	osite Online Service 🖕		

Notice

Uplink Attack Defense is disabled by default. Value 0 indicates disabled, while non-0 indicates enabled. The recommended configuration is 3000–5000.

(2) Cancel the limit on the number of new sessions. Choose Security > Max Sessions > New Session Limit > Global Config, change the value to 0, and save the configuration. Configuration description: The rate limit on the number of new sessions created in a second can effectively protect against attacks that rapidly consume the number of sessions. When the rate of new session creation for the speed test exceeds the limit, new sessions cannot be created, which affects the speed measurement.

Ruijie EG				Scenario: General 🙆 🧔 Config Wizard 🖄 Onli	ine Service 🛛 Hi, admin 🗸 🗍			
∩ Home	IPS	Global Sessions						
Ē	Interface Access Control	Attack Defense						
Common	ARP	Note: Prevent forwarding error caused by intranet	t user attack.					
Flow	ACL	Uplink Attack Defense: [Global Config] [5	Single IP Config]	77 Altack Defense - Global Max New Sessions - Percenal - Microsoft Islan	×			
Behavior	Max Sessions	New Session Limit: [Global Config]	Single IP Config] [Sessions Attacks List]	Not secure [172.26.5.195/session_pi/safe_att_sessionlimitglobal.htm	A9			
(M)		Session Limit		Global Max New Sessions				
• ①		Note: If you want to configure a policy based on t	he IP address (for example server IP or egress port IP	Max New Sessions Per Second During First 3 Minutes After Startup: 0 100,000/ Recommendation: 2,000				
Security		+ Add Sessions Policy Q View Sessions Per IP		Max New Sessions Per Second During Device Operation: 0 (0 - 100,000) Recommendation: 1,000 - 3,000	_			
User				Max New Sessions Per Real Host Per Second: 0 (0 - 100.000) Recommendation: 10-100	Auton .			
0		User-Based	All Users	Save	Edit Delete			
Network		Show No.: 10 V Total Count: 1			Last H 1 GO			
WLAN								
(j) Advanced								
ene jakatera								
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(3) Cancel the limit on the number of user sessions. Choose Security > Max Sessions > Session Limit, and delete the default limit.

Configuration description: The maximum number of sessions protects against attacks that consume sessions. When the number of sessions consumed for the speed test exceeds the limit, new sessions cannot be created, which affects the speed measurement.

The default limit on the maximum number of sessions per IP address is 2000 (the limit is 1000 for certain versions), and speed measurement software generally does not create sessions more than this value.

Home	IPS	Global Sessions							
₿	Interface Access Control	Attack Defense							
Common Her Flow	ARP ACL	Note: Prevent forwarding error caused by intra Uplink Attack Defense: [Global Config	inet user attack.						
Behavior Max Sessions Limit: [Global Config] [Single IP Config] [Sessions Attacks List]									
Cache Session Limit									
() Security		Note: If you want to configure a policy based o	on the IP address (for example server IP or eg	resc port IP), please configure the IP in Common U	et, and then set max sessions for the user,				
8		+ Add Sessions Policy De View Sessions Per IP							
oser a		Policy Type	User/ACL	Method	Max Total Sessions	Max Sessions P	Per IP St	atus Priority	Action
Network	8	User-Based	All Users	Limit Session Count	No limit	1000	A	ctive	Edit Delete
WLAN	4	Show No.: 10 🗸 Total Count: 1				1	R First & Previous	1 Next Last H	1 60
(0) Advanced									
(9) Advanced									
(9) Advanced									
(9) Advanced									

V. Test Result Comparison

Before the configuration change:

SHARE (⌀☯☪☺	Result ID 11926874335	SETTINGS
	PING ms	• DOWNLOAD Mbps 166.47	© UPLOAD Mbps 33.27
GO	Connect Multi Multi Converg Inc. San Pat Change OPLDT 115.147.11	tions ge ICT Solutions blo Laguna Server	RATE YOUR PROVIDER PLDT

After the configuration change:



