

Villavicencio Meta

Señores

**CORPORACIÓN AUTONOMA REGIONAL DEL GUAVIO CORPOGUAVIO**

**CARRERA 7 #1A -52**

**MARCOS MANUEL URQUIJO COLLAZOS**

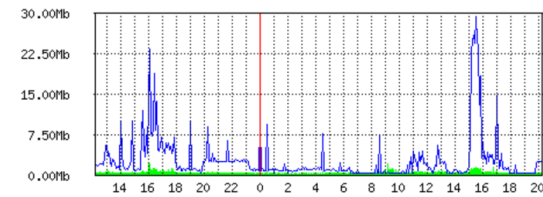
**SUPERVISOR**

**ASUNTO.**

**INFORME IMPLEMENTACION Y ENTREGA DE CANALES DEDICADOS.**

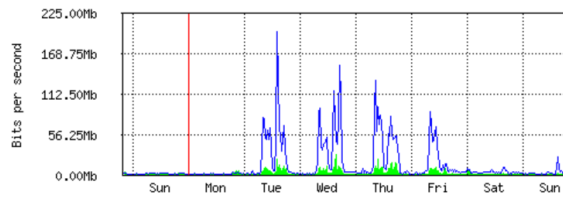
PERIODO FACTURADO	
INICIO	FINAL
25 JULIO DE 2025	25 AGOSTO DE 2025

"Daily" Graph (5 Minute Average)



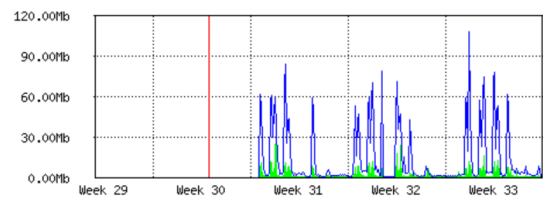
Max In: 1.99Mb; Average In: 277.35Kb; Current In: 175.95Kb;  
Max Out: 29.55Mb; Average Out: 2.49Mb; Current Out: 2.39Mb;

"Weekly" Graph (30 Minute Average)



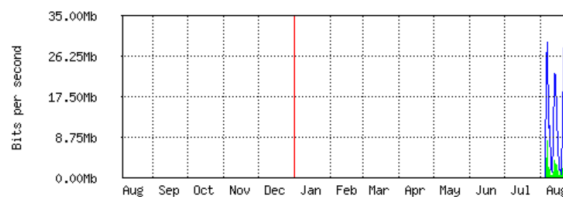
Max In: 28.35Mb; Average In: 1.87Mb; Current In: 118.36Kb;  
Max Out: 201.10Mb; Average Out: 12.42Mb; Current Out: 241.45Kb;

"Monthly" Graph (2 Hour Average)



Max In: 37.30Mb; Average In: 2.24Mb; Current In: 133.00Kb;  
Max Out: 108.81Mb; Average Out: 12.93Mb; Current Out: 382.24Kb;

"Yearly" Graph (1 Day Average)



Max In: 7.78Mb; Average In: 2.09Mb; Current In: 263.08Kb;  
Max Out: 30.83Mb; Average Out: 12.24Mb; Current Out: 2.07Mb;

INFORMACION CANALES DE ATENCIÓN			
	NOC	ING. SOPORTE	ING COORDINADOR
LÍNEA DE ATENCIÓN TELEFÓNICA FIJA O CELULAR CON COBERTURA NACIONAL	608 6663050	3122249294 CESAR TRIANA	3112601196 ALEJANDRO GIRALDO VILLEGAS
CONTACTOS DE ESCALAMIENTO	NOC ATENCION GENERAL	ING. SOPORTE PARA ATENCIÓN VIP 24 x 7	ING. COORDINADOR PARA ATENCIÓN VIP 24 x 7

# INGENIERÍA E INFRAESTRUCTURA DE COLOMBIA S.A.S

NIT. 900.381.761-5

INFRAESTRUCTURA - TECNOLOGÍA CORPORATIVA – ENERGÍA - SUMINISTRO

SISTEMA PARA REGISTRO Y MONITOREO DE TICKETS.	<a href="https://ingfracol.cloudapps360.com/app_Login/">https://ingfracol.cloudapps360.com/app_Login/</a> USUARIO: corpoguavio CONTRASEÑA: corpogu@4854*		
CORREO ELECTRÓNICO	<a href="mailto:acuermarco@ingfracol.com">acuermarco@ingfracol.com</a>	<a href="mailto:ingenieria@ingfracol.com">ingenieria@ingfracol.com</a>	<a href="mailto:gerencia@ingfracol.com">gerencia@ingfracol.com</a>

INFORMACION FACTURACION			
	AREA DE CARTERA	CONTADOR	GERENCIA
DATOS DE CONTACTO	3123862338 SARA LUCIA ARANGO CARTERA	3214452306 CESAR SOTO CONTADOR	3112601196 ALEJANDRO GIRALD GERENCIA
CORREO ELECTRÓNICO	<a href="mailto:comercial@ingfracol.com">comercial@ingfracol.com</a>	<a href="mailto:contabilidad@ingfracol.com">contabilidad@ingfracol.com</a>	<a href="mailto:gerencia@ingfracol.com">gerencia@ingfracol.com</a>
MEDIO DE CHARLA		<a href="#">Whatsapp</a> <a href="#">Telegram</a> <a href="#">Chat de Gmail</a>	<a href="#">Whatsapp</a> <a href="#">Telegram</a> <a href="#">Chat de Gmail</a>

INFORMACION CANALES DE ATENCIÓN			
	NOC	ING. SOPORTE	ING COORDINADOR
LÍNEA DE ATENCIÓN TELEFÓNICA FIJA O CELULAR CON COBERTURA NACIONAL	608 6663050	3122249294 CESAR TRIANA	3112601196 ALEJANDRO GIRALDO VILLEGAS
CONTACTOS DE ESCALAMIENTO	NOC ATENCION GENERAL	ING. SOPORTE PARA ATENCIÓN VIP 24 x 7	ING. COORDINADOR PARA ATENCIÓN VIP 24 x 7
SISTEMA PARA REGISTRO Y MONITOREO DE TICKETS.	<a href="https://ingfracol.cloudapps360.com/app_Login/">https://ingfracol.cloudapps360.com/app_Login/</a> USUARIO: corpoguavio CONTRASEÑA: corpogu@4854*		
CORREO ELECTRÓNICO	<a href="mailto:acuermarco@ingfracol.com">acuermarco@ingfracol.com</a>	<a href="mailto:ingenieria@ingfracol.com">ingenieria@ingfracol.com</a>	<a href="mailto:gerencia@ingfracol.com">gerencia@ingfracol.com</a>

INFORMACION MONITOREO DEL CANAL	
SISTEMA PARA MONITOREO WEB CON CREDENCIALES.	<a href="http://190.71.155.125/">http://190.71.155.125/</a> USUARIO: corpoguavio CONTRASEÑA: corpogu@4854*
SISTEMA PARA MONITOREO WEB SIN CREDENCIALES.	<a href="http://190.71.155.125/graphs/">http://190.71.155.125/graphs/</a>

Calle 41B No. 30 – 11 Of: 406 Barrio la Grama

Tel. (8) 6640308 – 3112601196

E-mail: [gerencia@ingfracol.com](mailto:gerencia@ingfracol.com)

Villavicencio - Meta

	TIEMPO DE REGISTRO	TIEMPO GRAFICAS	UNIDAD MEDIDA
HISTÓRICO DE GRÁFICOS DE CONEXION	5 minutos	24 horas	MB Entrada IN Máximo Promedio Mínimo
	30 minutos	Diario	
	2 horas	Semanal	MB Salida OUT Máximo Promedio Mínimo
	1 Dia	Mensual	
HISTÓRICO DE GRÁFICOS DE EQUIPO	5 minutos	24 horas	CPU MEMORIA DISCO
	30 minutos	Diario	
	2 horas	Semanal	
	1 Dia	Mensual	
		% SOBRE EL USO DE UNIDAD	

	SISTEMAS OPERATIVOS	NOMBRE TIENDA OFICIAL	NAVEGADOR WEB
MEDIOS DE MONITOREO	ANDROID	MIKROTIK	FIREFOX SAFARI SAMSUNG CHROME SI ADMITE TODOS
	IOS	MIKROTIK	FIREFOX SAFARI SAMSUNG CHROME SI ADMITE TODOS
	WINDOWS	WINBOX	FIREFOX SAFARI SAMSUNG CHROME SI ADMITE TODOS
	LINUX O VARIANTE	WINBOX	FIREFOX SAFARI SAMSUNG CHROME SI ADMITE TODOS

GUIA VISUAL DE LAS APLICACIONES OFICIALES

## MikroTik Pro

MikroTik

4.5★  
12,6 k opiniones

1M+  
Descargas

E  
Apto para todo público ©

Instalar en más dispositivos

Compartir



### Vista previa de App Store

Abre Mac App Store para comprar y descargar apps.



**MikroTik** 4+

RouterOS configuration tool

MikroTik


Diseñado para iPad

★★★★★ 3,9 + 245 valoraciones

Gratis

### GUIA VISUAL DE GESTION WEB AVANZADAS

<http://190.71.155.125/>







### RouterOS

You have connected to a router. Administrative access only. If this device is not in your possession, please contact your local network administrator.

Login:

Password:

© mikrotik

1. Se agrega usuario y contraseña.

	Comment	Name	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx
[D]	R	bridge	Bridge	1500	1596	106.0 kbps	5.9 kbps	10	8	0 bps
[D]		ether2	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]	RS	ether3	Ethernet	1500	1596	119.4 kbps	28.0 Mbps	68	3 726	108.9 kbps
[D]	S	ether4	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]		ether5	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]		ether6	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]		ether7	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]		ether8	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]		sfp1	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]	RS	WAN	Ethernet	1500	1600	29.5 Mbps	114.8 kbps	3 935	72	29.5 Mbps

## 2. Se selecciona WebFig

	Comment	Name	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx
[D]	R	bridge	Bridge	1500	1596	106.0 kbps	5.9 kbps	10	8	0 bps
[D]		ether2	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]	RS	ether3	Ethernet	1500	1596	119.4 kbps	28.0 Mbps	68	3 726	108.9 kbps
[D]	S	ether4	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]		ether5	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]		ether6	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]		ether7	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]		ether8	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]		sfp1	Ethernet	1500	1596	0 bps	0 bps	0	0	0 bps
[D]	RS	WAN	Ethernet	1500	1600	29.5 Mbps	114.8 kbps	3 935	72	29.5 Mbps

## 3. Selecciona WAN

link ok not invalid running slave not passthrough

Enabled

Comment

**General**

Name WAN

Type Ethernet

MTU 1500

Actual MTU 1500

L2 MTU 1600

Max L2 MTU 8158

VRF main

MAC Address D4:01:C3:0D:ED:60

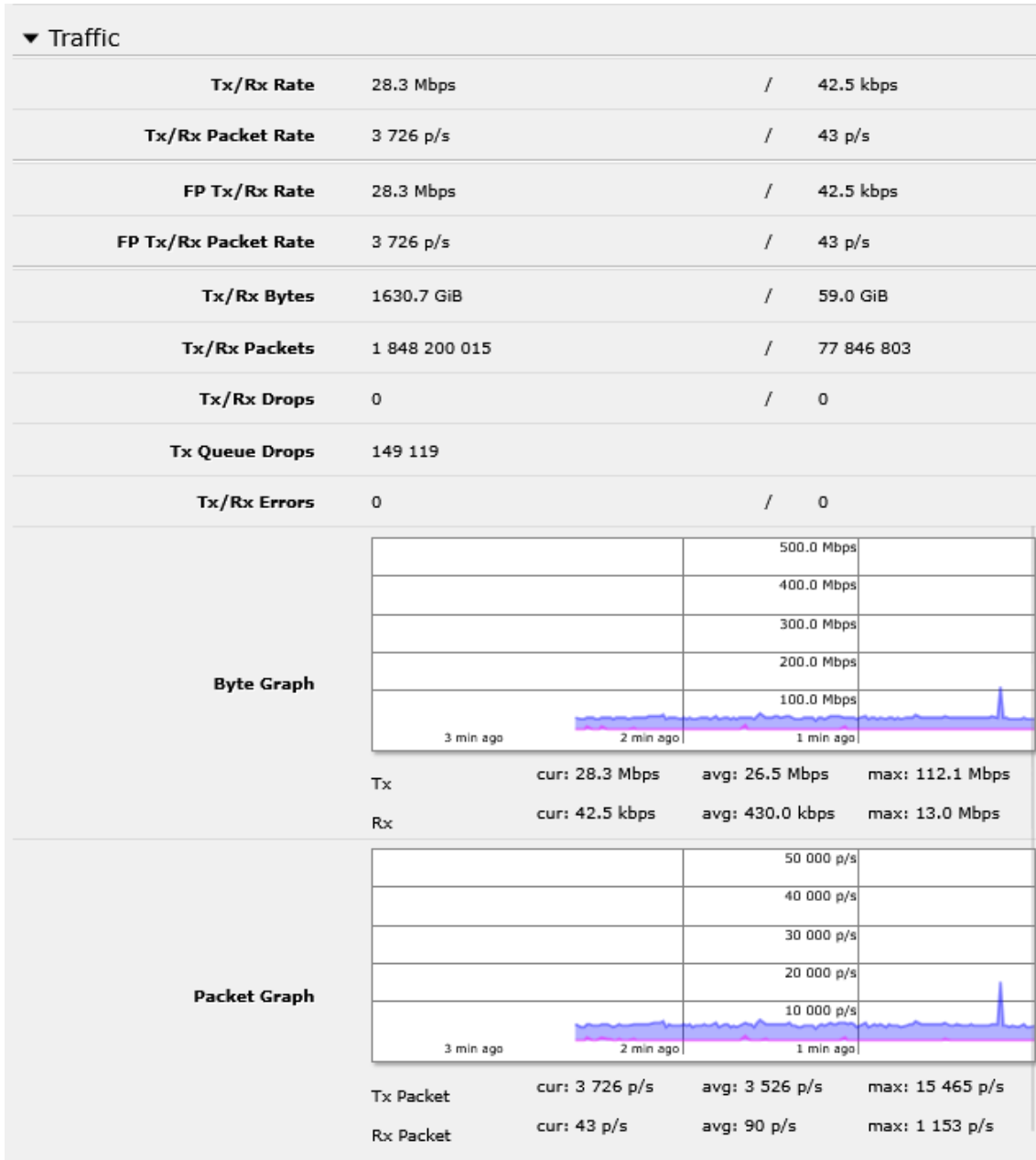
ARP enabled

ARP Timeout

- Ethernet
- Loop Protect
- Overall Stats
- Rx Stats
- Tx Stats
- Status
- Traffic**

Cancel Apply OK

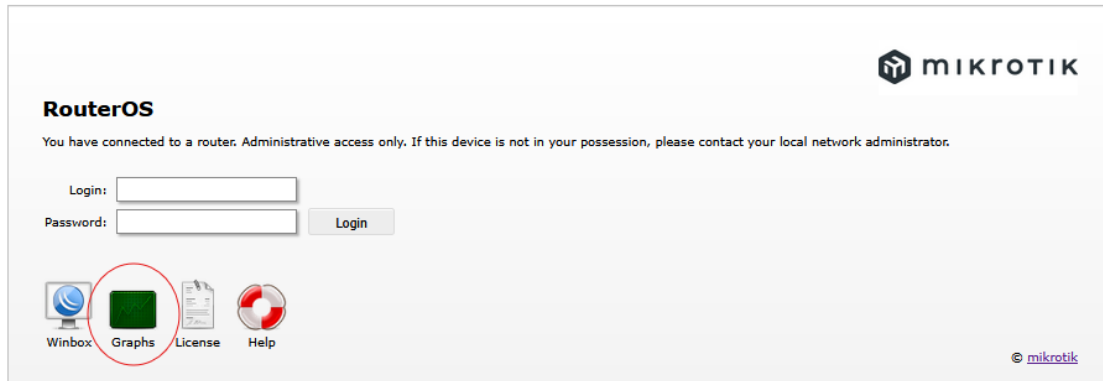
4. Selecciona Traficc



5. Graficas de consumo en tiempo real (usuario avanzado con credenciales).

## GUIA VISUAL DE GESTION WEB AVANZADAS

<http://190.71.155.125/graphs/>



1. Seleccionar Graphs

## Traffic and system resource graphing

### Resources

[CPU usage](#)  
[Memory usage](#)  
[Disk usage](#)

### Interfaces

You have access to 1 interface:

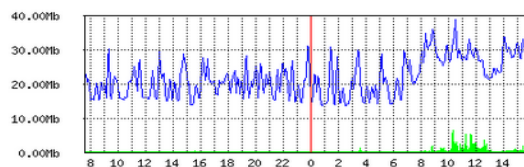
[WAN](#)

2. Seleccionamos WAN si es para ver las graficas de trafico y consumo.

### Interface <WAN> Statistics

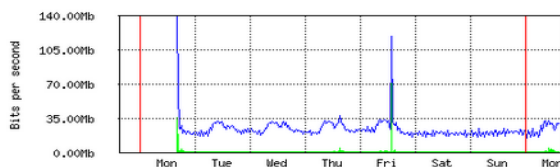
Last update: Mon Apr 28 15:33:36 2025

#### "Daily" Graph (5 Minute Average)



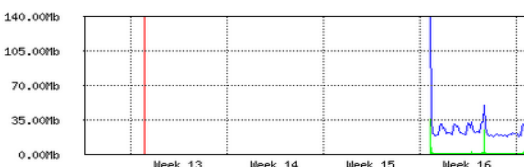
Max In: 6.37Mb; Average In: 335.92Kb; Current In: 2.30Mb;  
Max Out: 39.01Mb; Average Out: 21.93Mb; Current Out: 31.73Mb;

#### "Weekly" Graph (30 Minute Average)



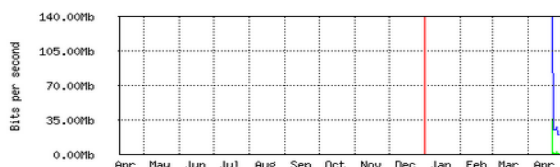
Max In: 94.80Mb; Average In: 660.83Kb; Current In: 426.08Kb;  
Max Out: 139.61Mb; Average Out: 23.30Mb; Current Out: 29.89Mb;

#### "Monthly" Graph (2 Hour Average)



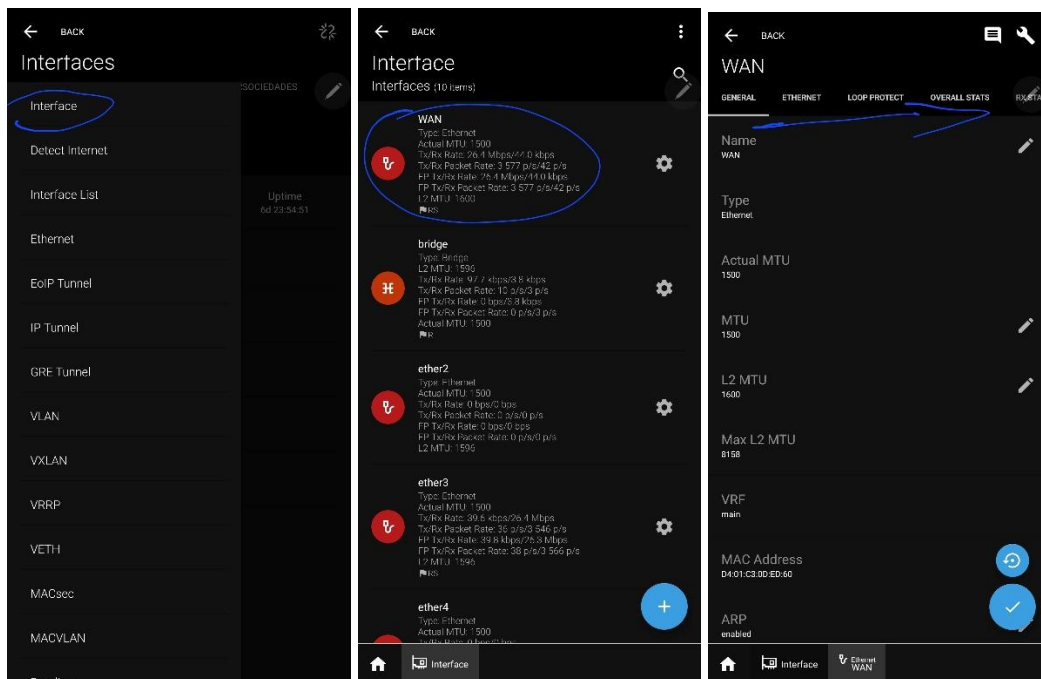
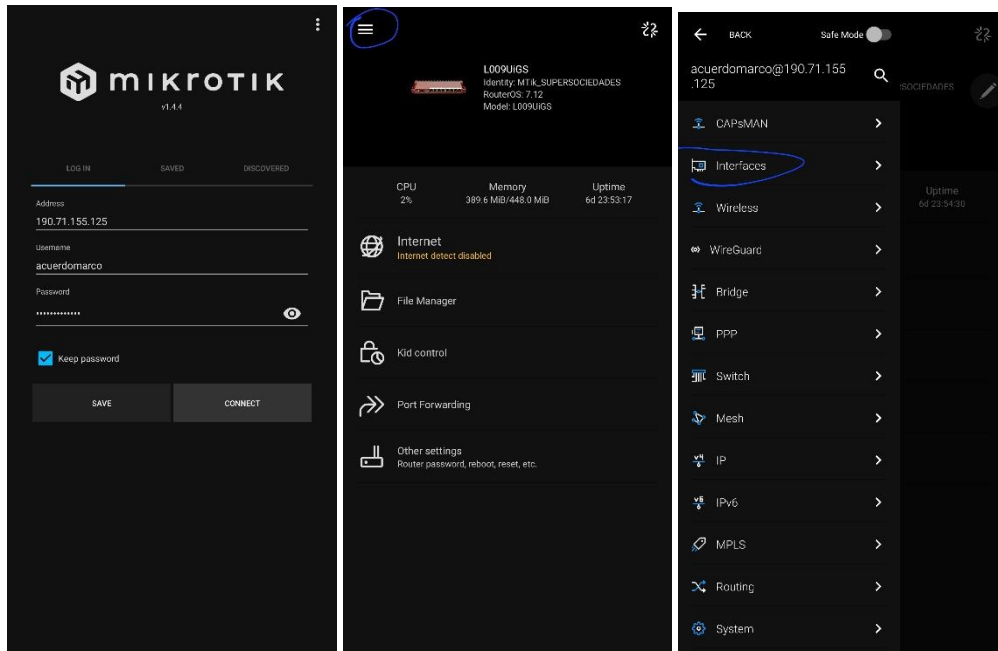
Max In: 35.65Mb; Average In: 974.01Kb; Current In: 302.93Kb;  
Max Out: 139.61Mb; Average Out: 24.32Mb; Current Out: 26.11Mb;

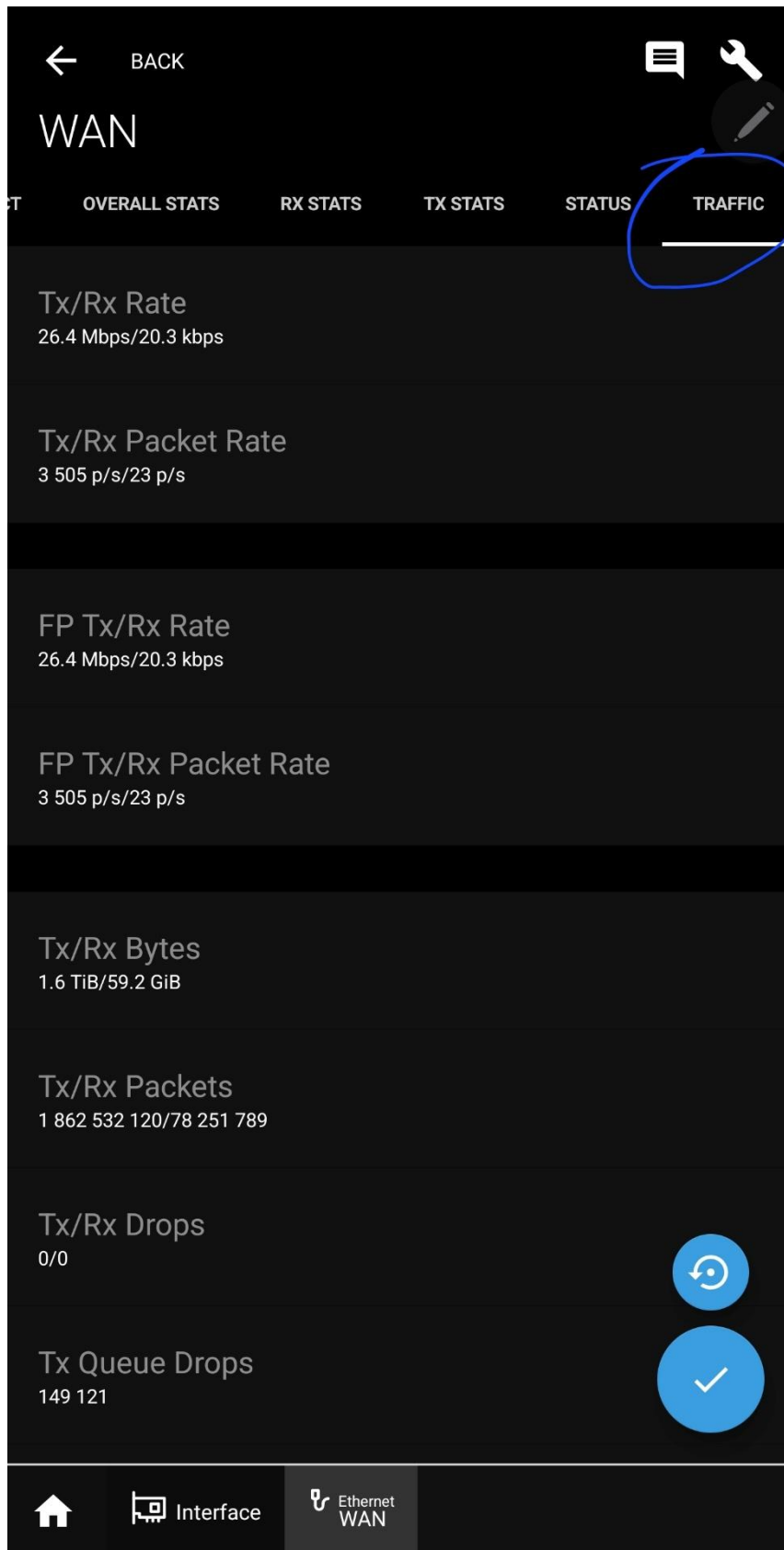
#### "Yearly" Graph (1 Day Average)



Max In: 35.65Mb; Average In: 5.58Mb; Current In: 97.86Kb;  
Max Out: 139.61Mb; Average Out: 39.65Mb; Current Out: 18.99Mb;

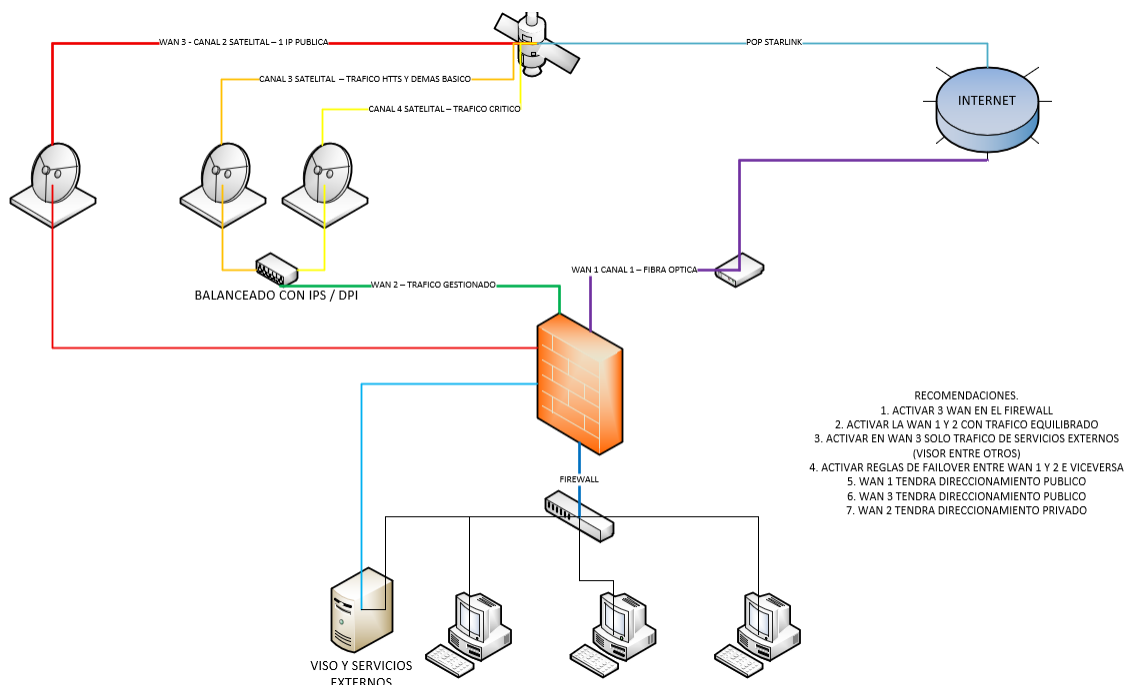
## GUIA VISUAL DE GESTION APP AVANZADAS



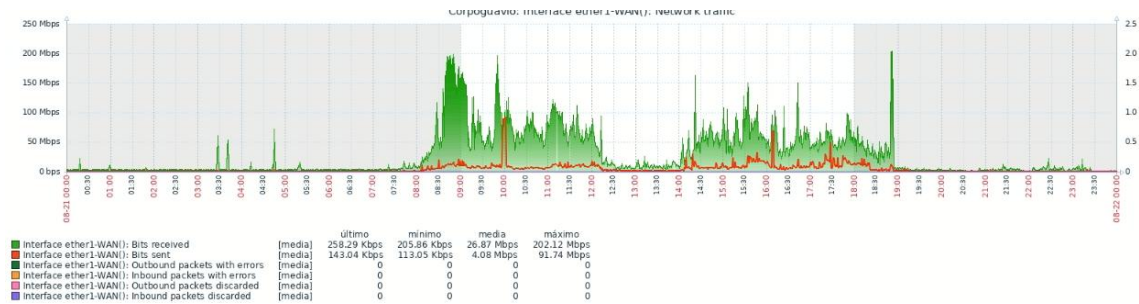
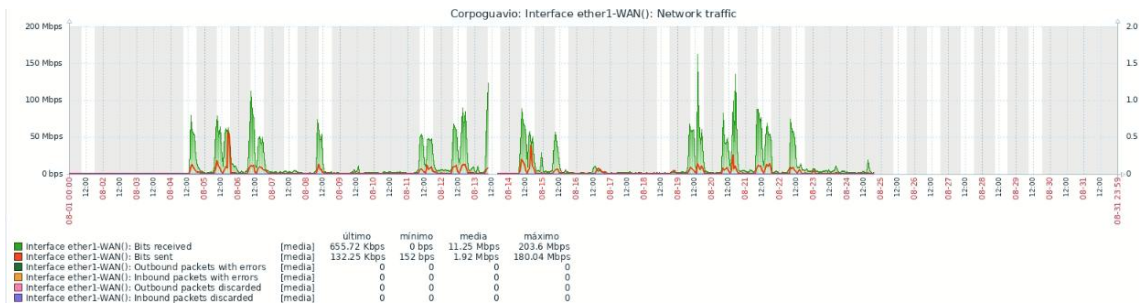
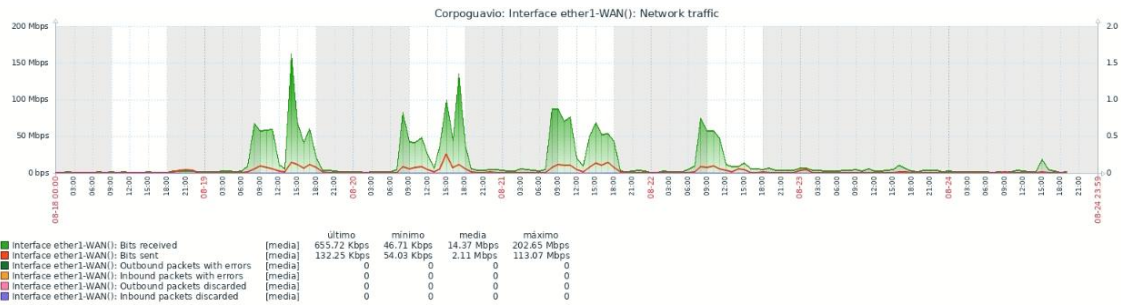


INFORMACION DIRECCIONAMIENTO IP	
<b>IPV4</b>	
PUERTA DE ENLACE PREDETERMINADA:	
IP DE WAN:	
MÁSCARA DE SUBRED WAN:	
IPS UTILIZABLES:	
DNS PREFERIDO	
ALTERNATIVA DNS	
<b>IPV6</b>	
PUERTA DE ENLACE PREDETERMINADA:	
DNS IP V6	

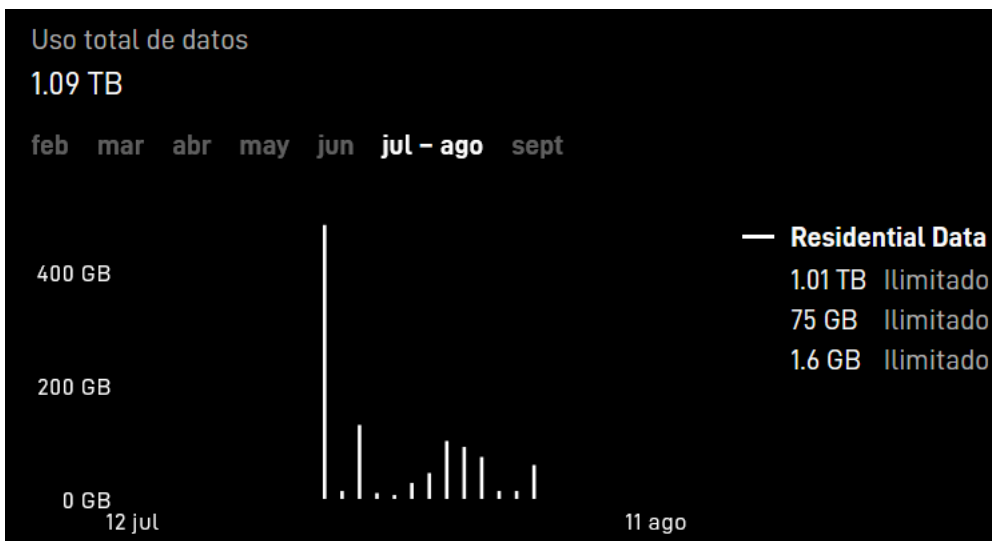
DOCUMENTACION TECNICA DE INSTALACION			
TIPO DE EQUIPO	MARCA	TIPO	MODELO
ANTENA 1	STARLINK	ENLACE SATELITAL	V.3
ENRUTADOR	MIKROTIK	MONITOREO Y GESTION	L009UIGS-RM
BALANCEADOR DPI	UBIQUITI	MONITOREO Y GESTION	UCG ULTRA
ANTENA 2	STARLINK	ENLACE SATELITAL	V.3
ANTENA 3	STARLINK	ENLACE SATELITAL	V.3



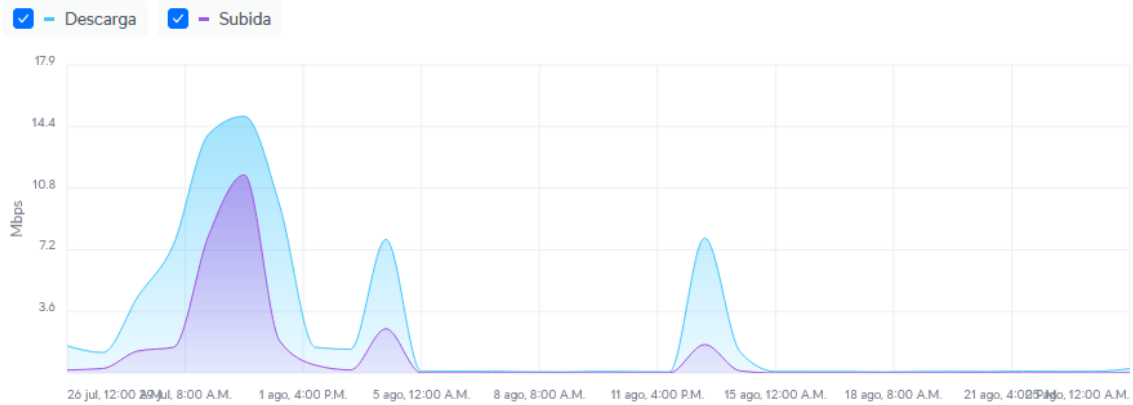
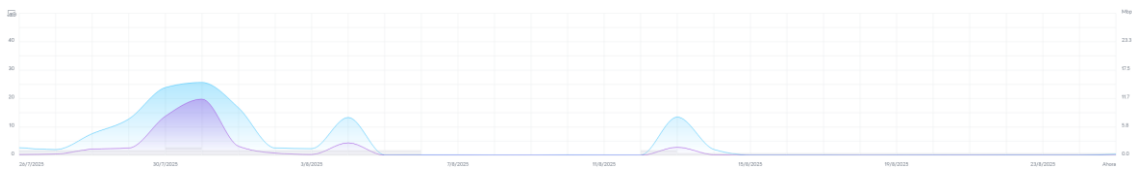
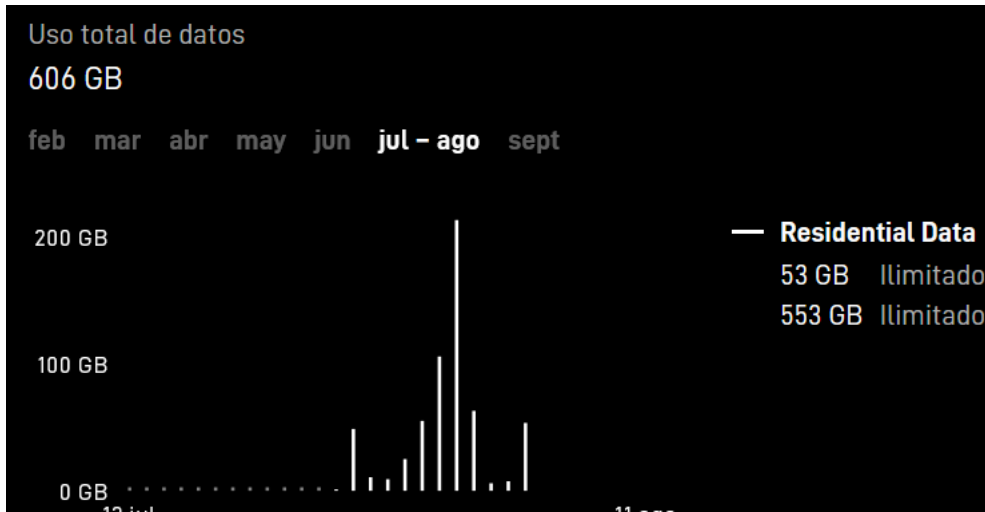
## TRAFICO ENLACE PRINCIPAL



## TRAFICO ENLACE SECUNDARIO 1



## TRAFICO ENLACE SECUNDARIO 2





























































Aplicación	Datos Totales (% De Tráfico)	Descarga	Subida	Cliente Principal	Clientes
Todo el tráfico	1.13 TB	807 GB	322 GB	FortiGate-100F 9f:a7 1.0	3
SSL/TLS	170 GB (15.9%)	152 GB	18.3 GB	FortiGate-100F 9f:a7 17C	1
Google	127 GB (11.9%)	24.6 GB	103 GB	FortiGate-100F 9f:a7 127	1
YouTube	100 GB (9.4%)	97.1 GB	3.20 GB	FortiGate-100F 9f:a7 10C	1
WhatsApp	56.3 GB (5.3%)	48.5 GB	7.76 GB	FortiGate-100F 9f:a7 56.	1
QUIC	50.6 GB (4.7%)	44.3 GB	6.28 GB	FortiGate-100F 9f:a7 50.	1
HTTP	35.1 GB (3.3%)	34.8 GB	368 MB	FortiGate-100F 9f:a7 35.	1
Facebook	31.2 GB (2.9%)	29.0 GB	2.17 GB	FortiGate-100F 9f:a7 31.:	1
Web File Transfer	30.6 GB (2.9%)	30.2 GB	372 MB	FortiGate-100F 9f:a7 30.	1

# INGENIERÍA E INFRAESTRUCTURA DE COLOMBIA S.A.S

NIT. 900.381.761-5

INFRAESTRUCTURA - TECNOLOGÍA CORPORATIVA – ENERGÍA - SUMINISTRO

 Instagram	17.1 GB (1.6%)	16.4 GB	676 MB	 FortiGate-100F 9f:a7 17.1 1
 Microsoft.com	16.6 GB (1.6%)	13.3 GB	3.35 GB	 FortiGate-100F 9f:a7 16.1 1
 Microsoft Office	13.7 GB (1.3%)	12.2 GB	1.41 GB	 FortiGate-100F 9f:a7 13.1 1
 Dropbox	13.1 GB (1.2%)	7.81 GB	5.31 GB	 FortiGate-100F 9f:a7 13.1 1
 Speedtest.net	12.3 GB (1.1%)	11.0 GB	1.27 GB	 FortiGate-100F 9f:a7 12.1 1
 MEGA	11.6 GB (1.1%)	11.4 GB	215 MB	 FortiGate-100F 9f:a7 11.1 1
 Google Play	11.6 GB (1.1%)	8.14 GB	3.41 GB	 FortiGate-100F 9f:a7 11.1 1
 Google Static Content(SSL)	10.8 GB (1.0%)	9.87 GB	893 MB	 FortiGate-100F 9f:a7 10.1 1
 Google User Content(SSL)	10.6 GB (1.0%)	10.4 GB	187 MB	 FortiGate-100F 9f:a7 10.1 1
 Sharepoint	9.62 GB (0.9%)	747 MB	8.87 GB	 FortiGate-100F 9f:a7 9.6 1
 Kaspersky	5.30 GB (0.5%)	4.44 GB	866 MB	 FortiGate-100F 9f:a7 5.3 1
 Windows Update	5.15 GB (0.5%)	3.72 GB	1.43 GB	 FortiGate-100F 9f:a7 5.1 1
 Google Drive	5.02 GB (0.5%)	3.95 GB	1.07 GB	 FortiGate-100F 9f:a7 5.0 1
 DNS over HTTPS (DoH)	4.14 GB (0.4%)	2.94 GB	1.20 GB	 FortiGate-100F 9f:a7 4.1 1
 Gmail	3.53 GB (0.3%)	2.81 GB	725 MB	 FortiGate-100F 9f:a7 3.5 1
 Microsoft Teams	3.04 GB (0.3%)	2.62 GB	420 MB	 FortiGate-100F 9f:a7 3.0 1
 iCloud	2.70 GB (0.3%)	2.42 GB	282 MB	 FortiGate-100F 9f:a7 2.7 1
 HTTP Protocol over TLS SSL	2.67 GB (0.3%)	2.13 GB	548 MB	 FortiGate-100F 9f:a7 2.6 1
 Apple.com	2.10 GB (0.2%)	2.00 GB	97.8 MB	 FortiGate-100F 9f:a7 2.1 1
 Zoom	2.05 GB (0.2%)	1.91 GB	144 MB	 FortiGate-100F 9f:a7 2.0 1
 Amazon	2.04 GB (0.2%)	569 MB	1.47 GB	 FortiGate-100F 9f:a7 Bloquear
 Bing.com	1.64 GB (0.2%)	1.39 GB	243 MB	 FortiGate-100F 9f:a7 1.6 1
 X	1.55 GB (0.1%)	1.52 GB	30.8 MB	 FortiGate-100F 9f:a7 1.5 1
 Spotify	1.54 GB (0.1%)	1.01 GB	531 MB	 FortiGate-100F 9f:a7 1.5 1
 TikTok	1.17 GB (0.1%)	833 MB	333 MB	 FortiGate-100F 9f:a7 1.17 1
 Netflix	1.07 GB (0.1%)	1.03 GB	44.9 MB	 FortiGate-100F 9f:a7 1.0 1
 Windows Defender(MMPC)	1.06 GB (0.1%)	1.05 GB	16.1 MB	 FortiGate-100F 9f:a7 1.0 1
 Skype	913 MB (0.1%)	560 MB	353 MB	 FortiGate-100F 9f:a7 913 1
 Microsoft Live.com	907 MB (0.1%)	605 MB	302 MB	 FortiGate-100F 9f:a7 907 1

Cordialmente,



INGENIERIA E INFRAESTRUCTURA DE COLOMBIA SAS  
R.L ALEJANDRO GIRALDO VILLEGAS

Calle 41B No. 30 – 11 Of: 406 Barrio la Grama  
Tel. (8) 6640308 – 3112601196  
E-mail: [gerencia@ingfracol.com](mailto:gerencia@ingfracol.com)  
Villavicencio - Meta