SingularXYZ®

InGeoHardware

COTIZACIÓN GNSS

FECHA: 17/09/2026
COTIZACIÓN Nº 260915

HUGO RICARDO JOJOA
C.C.98.392.082
CEL 3216074069

Vendedor	Modo de envío	Datos de Pago	Tiempo de entrega	Condiciones de pago	Fecha de vencimiento
JAAR	Recibe el equipo en Bucaramanga o envio asumido por el comprador	Banco Bancolombia Cuenta de Ahorros # 09068831820 Maria Camila Afanador Silva C.C. 1.005.287.964	3 semanas	100% con la orden de compra	17 OCT 2026

Cantidad	Descripción	Precio	Total
01 KIT XBase + Horus + SC260 + APP	**GNSS SingularXYZ XBase + Horus + SC260 + APP:** 01 GNSS SingularXYZ XBase 01 GNSS SingularXYZ Horus 02 Antenas de radio UHF 01 Colectora SC260 01 APP SingularPad (licencia) + Visual Surveying (licencia) 01 Soporte para la colectora (bracket) 01 Bastón de 1.8m retractil 03 Cargadores de corriente 03 Cables USB 01 Extensión para base nivelante 01 Plato para trípode 01 Software PProcessing 02 Maletínes rigidos pequeños 12 Meses de garantia por defectos de fabricación SOPORTE POSTVENTA 12 meses de soporte postventa que comprende - Actualizaciones GNSS - Actualizaciones APP SingularPAD - Curso postproceso - Curso concepto y uso configuración GNSS en varias sesiones personales - Soporte a dudas en los proyectos iniciales.	$25.000.000 $3.000.000	**$25.000.000** **$3.000.000**
		Subtotal	$28.000.000
		Descuento	-$5.000.000
		Total	**$23.000.000**

Este es un presupuesto sobre los bienes nombrados, sujeto a las condiciones indicadas a continuación: (El precio de la presente cotización NO tiene en cuenta descuento de retefuente, reteICA por parte del comprador)

En espera de una pronta solicitud de parte suya

Cordialmente

JHON A. AFANADOR. R.
NIT 91295178-9

CARACTERISTICAS Y POSICIONAMIENTO GNSS *SingularXYZ XBase*

XBASE

GNSS RECEIVER

Built for Distance, Built for Base



STRONG GNSS PERFORMANCE

Powered by a 1408-channel GNSS engine, Xbase supports full-constellation tracking for reliable positioning. Its advanced anti-interference algorithms secure reliable positioning even in complex environments, ensuring uninterrupted base station correction data. Designed for continuous RTK service, Xbase delivers the stable and consistent performance professionals can depend on.

SUPERIOR BASE STATION DESIGN

Purpose-built as a base station, Xbase integrates top-mounted radio antenna design and a built-in 5-watt radio modem, extending the working range up to 25km in ideal conditions without external radios. Compatible with mainstream radio protocols and supporting internal GSM mode, Xbase works seamlessly as both radio base and network base, adapting to your workflow with ease.

RUGGED & USER-ORIENTED DESIGN

Built for the field, Xbase combines IP68 protection, a magnesium-aluminum housing with heat-dissipating fins, and solid drop resistance. Its 13200mAh battery powers all-day operation, while the 1.1" front display enables quick setup and monitoring. Plus, with flexible connections via WiFi webpage, Bluetooth, USB and RS232, Xbase delivers a durable, efficient and user-friendly base experience.

SingularXYZ





XBASE GNSS RECEIVER

Version 12-09-2025

SATELLITES TRACKING

Channels	1408
BDS	B1I, B2I, B3I, B1C, B2a, B2b
GPS	L1C/A, L1C, L2C, L2P(Y), L5
GLONASS	G1, G2, G3
Galileo	E1, E5a, E5b, E6
QZSS	L1C/A, L1C, L2C, L5
NaviC	L5
SBAS	WAAS, EGNOS, SDCM, BDSBAS, GAGAN
L-Band	Support
Cold start	<30s
RTK Initialization Time	<5s (typical)
RTK initialization reliability	>99.9%
Re-acquisition	<1s

ACCURACY

Standalone	1.5m Horizontally 2.5m Vertically
DGPS	0.4m Horizontally 0.8m Vertically
Static post-processing	2.5mm+0.5ppm Horizontally 5mm+0.5ppm Vertically
RTK	8mm+1ppm Horizontally 15mm+1ppm Vertically
PPP	5cm Horizontally 10cm Vertically
SBAS	< 1.0 m 3D RMS
Time Accuracy	20ns
Tilt Surveying (optional)	<±2.5cm, within 60° tilt range

DATA FORMAT

Data output format	- NMEA-0183 - RINEX 3.02/3.04 - Binary format *.xyz
Data update rate	1～10Hz selectable
Correction data format	RTCM 3.2/3.0/2.3
Supported protocols	Ntrip Server, Ntrip Caster, TCP, UDP

USER INTERACTION

Indicators	2 LEDs indicating satellite tracking and correction data transmission
Button	2 buttons for power and function
Display	1.1" OLED display
WebUI	Access via Wi-Fi

COMMUNICATION

UHF modem	- Frequency range: 410-470MHz - Protocol: TRIMATLK, SATEL, TRANSEOT, TRIMMARK3, CSS, etc. - Channel spacing: 25KHz - Transmit power: 2W~5W selectable
Bluetooth	BT4.0 dual mode
NFC	Support
Interface	- 1 7-pin lemo port for RS232 transmission and power supply - 1 SMB connector for UHF antenna - 1 Type-C USB port for static data downloading & firmware upgrading - 1 SIM card slot for 4G
4G	FDD-LTE B1/B3/B5/B7/B8 TDD-LTE B38/B39/B40/B41 TDSCDMA B34/B39 WCDMA B1/B2/B5/B8 GSM B2/B3/B5/B8 CDMA1x/CDMA2000 BC0/BC1
WiFi	IEEE 802.11 b/g/n (2.4 GHz default, 5 GHz 802.11 a/b/g/n/ac firmware upgradeable)

ELECTRICAL

Power consumption	12W[1]
Battery	13200 mAh, over 7-8 hours working time in radio base mode
Input voltage	DC 9~24V

PHYSICAL

Size	Φ145mm × 93mm
Weight	1204g
Storage	8GB[2]
Housing material	Magnesium-aluminum alloy

ENVIRONMENTAL

Working temperature	-30 ℃ to + 65 ℃
Storage temperature	-55 ℃ to + 85 ℃
Humidity	100% non-condensing
Waterproof & dustproof	IP68
Drop	Designed to survive a 2m drop onto concrete

1. The power consumption of Xbase varies with user settings.
2. Storage can be expanded to 32GB according to user demands.

All specifications are subject to change without notice.

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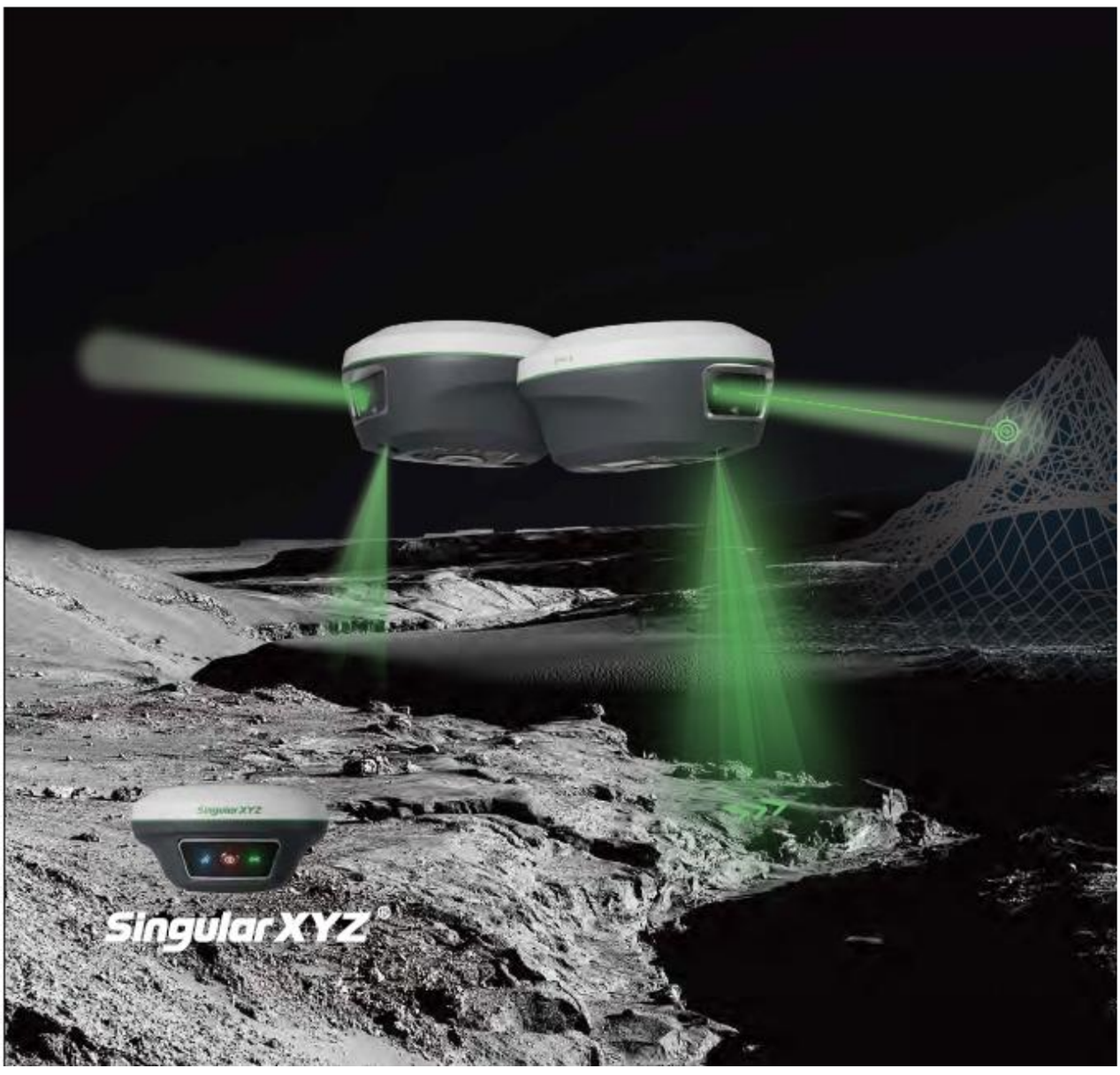
SingularXYZ

CARACTERISTICAS Y POSICIONAMIENTO GNSS *SingularXYZ Horus*

Horus

VISUAL & LASER GNSS RECEIVER

Redefining Measurement With Vision



HORUS VISUAL & LASER GNSS RECEIVER

The Horus GNSS receiver combines strong GNSS engine, new-gen IMU, versatile work modes and leading-edge visual & laser technologies in a compact, rugged housing, bringing an efficient, precise and smart surveying experience for professionals.

By fusing dual cameras and a laser sensor, Horus enables immersive AR stakeout, non-contact laser surveying with visual aiming, and high-precision visual surveying—expanding the capabilities of traditional RTK surveying.

Full-Constellation
1408 channels track GPS, BDS, GLONASS, Galileo, QZSS, NavIC, and SBAS simultaneously, delivering centimeter-level accuracy.

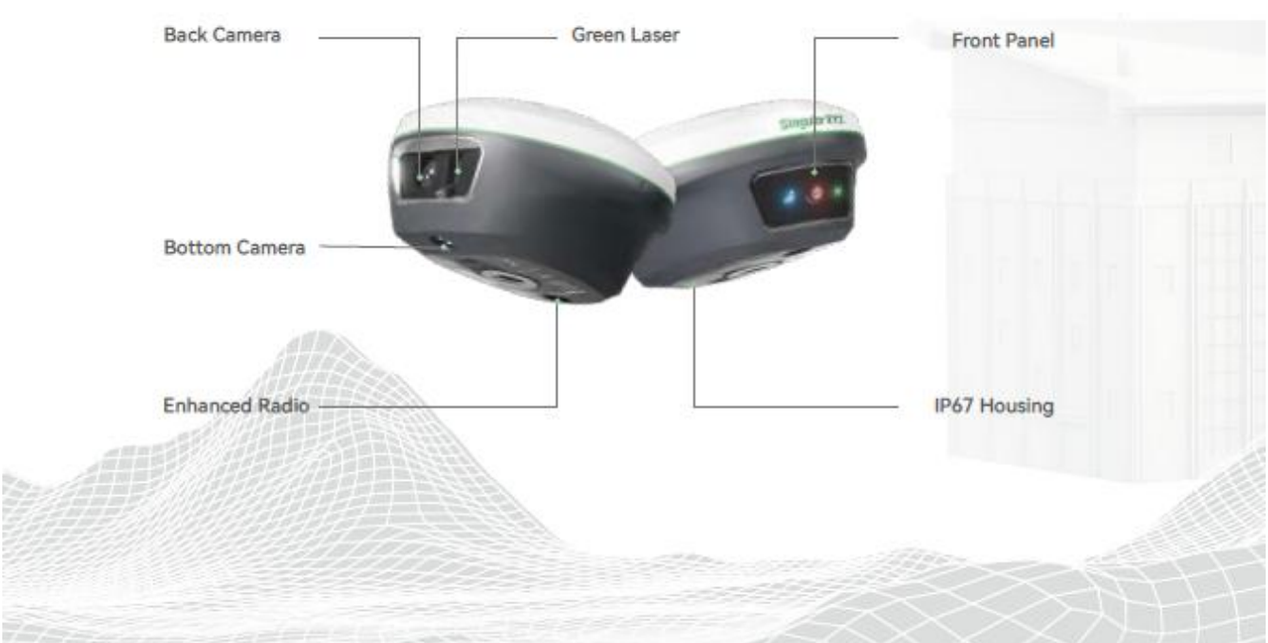
Next-Gen IMU
New-generation IMU enhances reliability and integrates with pole surveying, AR stakeout, laser surveying, and visual surveying.

Enhanced UHF
Enhanced UHF reaches up to 15 km in optimal conditions, reducing the need for external radios.

Versatile Connectivity
Support Bluetooth/WiFi/NFC/USB connectivity, you can easily interact with Horus in various ways by different purpose.

12Hrs Battery Life
Built-in battery with 6600mAh large capacity support more than 12 hrs working time and only 3.5hrs charging time.

Web UI Access
Access via WiFi to configure work modes, download data, upgrade firmware, and check device status through a web interface.



SEE CLEARER, MEASURE FURTHER

Hard-to-Reach Points, Hazardous Areas, GNSS-Denied Zones - Measured with Ease

Non-Contact Laser Surveying

Precise Laser Surveying
Visible green laser delivering centimeter-level accuracy





Camera-Assisted Targeting
See clearly, aim precisely - no matter the distance

Precise Visual Surveying



HD Starlight-Grade Camera
Capture clear, detailed images anytime



Tap & Measure on SingularPad
Instant centimeter-level photogrammetry


INTUITIVE AR VISUAL STAKEOUT
Stake What You See, Boost Efficiency by Over 50%
• Front Camera
Long-Range Targeting with Precision Guidance
Auto-Switch Based on Distance
Always the Best View for Every Stakeout Point
• Bottom Camera
Close-Range Stakeout with Immersive AR View
VISUAL DATA READY FOR 3D MODELING
From Visual Capture to Seamless Modeling
Integrated Camera For Visual Data Capture
Compatible With Leading 3D Modeling Software

SingularXYZ®

Horus Visual & Laser GNSS Receiver

Version 07-11-2025

SATELLITES TRACKING

Channels	1408
BDS	B1I, B2I, B3I, B1C, B2a, B2b
GPS	L1C/A, L1C, L2C, L2P(Y), L5
GLONASS	G1, G2, G3
Galileo	E1, E5a, E5b, E6
QZSS	L1C/A, L1C, L2C, L5
NavIC	L5
SBAS	WAAS, EGNOS, SDCM, BDSBAS, GAGAN
L-Band	Support
Cold start	<30s
RTK Initialization Time	<5s(typical)
RTK initialization reliability	>99.9%
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ACCURACY

Standalone	1.5m Horizontally 2.5m Vertically
DGPS	0.4m Horizontally 0.8m Vertically
Static Post-processing	2.5mm+0.5ppm Horizontally 5mm+0.5ppm Vertically
RTK	8mm+1ppm Horizontally 15mm+1ppm Vertically
PPP	5cm Horizontally 10cm Vertically
SBAS	< 1.0 m 3D RMS
Time Accuracy	20ns
Tilt Surveying	< ±2.5cm, within 60° Tilt Range
AR Stakeout	8mm+1ppm Horizontally 15mm+1ppm Vertically
Photogrammetry	2–5 cm @ 2–20 m range, typical
Laser tilt surveying	3 cm @ 10 m range, typical

DATA FORMAT

Data Output Format	- NMEA-0183 - RINEX 3.02/3.04 - Binary Format *.xyz
Data Update Rate	1 ~50Hz Selectable
Correction Data Format	- RTCM v3.3/3.2/3.1/3.0
Supported Protocols	Ntrip client, Ntrip Server, Ntrip Caster, TCP, UDP

COMMUNICATION

UHF Modem	- Working range: Up to 15km with optimal conditions[1] - Frequency range: 410-470MHz - Protocol: CSS,TRIMATLK,TRANSEOT, SATEL,TRIMMARK3, etc. - Channel spacing:25KHz - Transmit power:0.5W~2W selectable
Bluetooth	BT4.0 Dual Mode
NFC	Support NFC Connection
WiFi	802.11 a/b/g/n/ac
Interface	- 1 Type-C Interface for Data Transmission and Charging - 1 SMA Connector for UHF Antenna

HARDWARE

Platform	Quad-core 1.5GHz CPU, 2.0Tops NPU
Laser Sensor	- Class 3R, avoid direct eye exposure - Range: 50m
Camera	- Dual-camera with 2MP global shutter - Frame: 25 fps

USER INTERACTION

Front panel	- 3 LED indicators indicating satellite tracking, differential data transmission and power - 1 button for power on/off
WebUI	- Accessible via Wi-Fi - Support Configuration, Status Checking, Data Transfer, Data Storage and System Upgrade

ELECTRICAL

Power Consumption	> 3.5 W[2]
Battery	- 6600 mAh, up to 12 hours working time - Fast charge of 3.5 hours charging time

PHYSICAL

Size	Φ133 mm × 72 mm
Weight	720g
Storage	8 GB[3]
Housing Material	Magnesium-aluminum Alloy

ENVIRONMENTAL

Working Temperature	-30℃ to + 65℃
Storage Temperature	-55℃ to + 85℃
Humidity	100% Non-condensing
Waterproof & Dustproof	IP67
Drop	Designed to Survive a 2m Drop onto Concrete

1. The maximum UHF range reaches up to 15 km under optimal conditions with CSS protocol only; other protocols typically offer shorter ranges. Actual performance may vary with environmental conditions.
2. The power consumption varies with the different work modes.
3. Storage can be expanded to 32GB according to user demands.

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SingularXYZ®

InGeoHardware

CARACTERISTICAS COLECTORA *SingularXYZ SC260*

SC260 DATA COLLECTOR

Version 26-08-2025

SYSTEM

CPU	8 core 2.0GHz
Operating System	Android 11
RAM	4GB
ROM	64GB
Camera	13MP rear camera
Screen	5.45-Inch HD highlight screen, 5-point capacitive touch screen
Resolution	720*1440 pixels
Signal tracking	GPS + BDS + GLONASS
Sensors	G-Sensor, Light-Sensor, Accelerator, NFC, LED Flash Light, Microphone, Speaker
Keyboard	QWERTY Keyboard, 1 customizable side button

PHYSICAL & ELECTRICAL

Size	221*78*16.5mm
Battery	9000mAh, more than 18 hours working time with screen on
Charge	Fast charge, 4 hours charging time

COMMUNICATION

Bluetooth	BT5.0
Wi-Fi	IEEE 802.11 a/b/g/n/ac 2.4G/5G
SIM	- 1 nano SIM card slots - 1 SIM card slot shared with TF
4G	-FDD-LTE:B1/B2/B3/B4/B5/B7/B8/ B12/B17/B20/B28 - TDD-LTE: B34/B38/B39/B40/B41 - WCDMA: B1/B2/B5/B8 - GSM: B2/B3/B5/B8
NFC	Support
TF	Support up to 512G extend TF card
Interface	USB-Type C, support fast charge, support OTG

ENVIRONMENTAL

Working temperature	-20℃ ~ + 55℃
Storage temperature	-40℃ ~ +70℃
Waterproof & dustproof	IP68

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CERTIFICADOS

DIAN

Formulario del Registro Único Tributario

001

2. Concepto 1 3 Actualización de oficio

4. Número de formulario 141109214162

(415)7707212489984(8020) 000014110921416 2

5. Número de Identificación Tributaria (NIT)	6. DV	12. Dirección seccional	14. Buzón electrónico
9 1 2 9 5 1 7 8	9	Impuestos y Aduanas de Bucaramanga 4	

IDENTIFICACIÓN

24. Tipo de contribuyente	25. Tipo de documento	26. Número de Identificación	
Persona natural o sucesión ilíquida 2	Cédula de Ciudadanía 1 3	9 1 2 9 5 1 7 8	

Lugar de expedición	28. País	29. Departamento	30. Ciudad/Municipio
COLOMBIA	1 6 9	Santander 6 8	Bucaramanga 0 0 1

31. Primer apellido	32. Segundo apellido	33. Primer nombre	34. Otros nombres
AFANADOR	ROMERO	JHON	ALFONSO

35. Razón social

36. Nombre comercial	37. Sigla

UBICACIÓN

38. País	39. Departamento	40. Ciudad/Municipio
COLOMBIA 1 6 9	Santander 6 8	Bucaramanga 0 0 1

41. Dirección principal: CR 9 55 02 BRR CIUDADELA REAL DE MINAS

42. Correo electrónico: johnafanador@hotmail.com

43. Código postal	44. Teléfono 1	45. Teléfono 2
	3 0 0 6 4 7 0 0 4 5	

CLASIFICACIÓN

Actividad económica					Ocupación	
Actividad principal		Actividad secundaria		Otras actividades		
46. Código	47. Fecha inicio actividad	48. Código	49. Fecha inicio actividad	50. Código 1 2	51. Código	52. Número establecimientos
4 7 9 2	2 0 1 4 0 5 2 1				3 4 2 3	

Responsabilidades, Calidades y Atributos

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
53. Código 5	4 9																								

05- Impto. renta y compl. régimen ordinar

49 - No responsable de IVA

Usuarios aduaneros	Exportadores
54. Código 1 2 3 4 5 6 7 8 9 10 / 11 12 13 14 15 16 17 18 19 20	55. Forma 56. Tipo Servicio 1 2 3; 57. Modo; 58. CPC

IMPORTANTE: Sin perjuicio de las actualizaciones a que haya lugar, la inscripción en el Registro Único Tributario -RUT-, tendrá vigencia indefinida y en consecuencia no se exigirá su renovación

Para uso exclusivo de la DIAN

59. Anexos SI [ ] NO [X] 60. No. de Folios: 0 61. Fecha 2024-08-10 / 01:32:49PM

La información suministrada a través del formulario oficial de inscripción, actualización, suspensión y cancelación del Registro Único Tributario (RUT), deberá ser exacta y veraz; en caso de constatar inexactitud en alguno de los datos suministrados se adelantarán los procedimientos administrativos sancionatorios o de suspensión, según el caso, Parágrafo del artículo 1.6.1.2.6 del Decreto 1625 del 2016. De igual manera al formalizar el trámite el usuario fue informado y acepta la política de tratamiento de datos ley 1581 de 2012.

Firma del solicitante:

Sin perjuicio de las verificaciones que la DIAN realice.

Firma autorizada:

984. Nombre ACTUACIÓN DE OFICIO AUTOMÁTICA

985. Cargo

Fecha generación documento PDF: 13-06-2026 12:04:59PM

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