

HxGN SmartNet Services

We have you covered. Everywhere.



Widest Network Coverage

With a commitment to growing our already extensive network, experience HxGN SmartNet's incredible accuracy and reliable coverage in more place across the world than any other service.



Reliable Service

We ensure maximum service uptimes by investing in the most current technology and continually upgrading and maintaining our network's hardware infrastructure.



Speaking your Language

Catering to a wide range of users and licensing needs with varying local requirements, our local and global service teams can assist you in your language.







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HxGN SmartNet Global

	 HxGN Smartnet Pro	 HxGN SmartNet +	 HxGN SmartNet PPP	 HxGN SmartNet NRTK
Technologies	Network RTK	●	●	●
	RTK Bridging	●	●	●
	PPP	●		●
Supported Devices	Leica Geosystems GS Sensors			Open to all GNSS devices

Network RTK ^{1,2}

Data access	Mobile Internet via NTRIP	Single Access Point via NTRIP (v1 & v2)
Coordinate reference frame		Local reference frame ³ Global reference frame: ITRF2014
Correction data formats		RTCM 3.x (MSM from RTCM 3.2)
Correction Types		Network RTK: VRS, i-MAX RTK: Nearest (Single Base)
Satellite Constellation Support		GPS, GLONASS, Galileo, BeiDou, QZSS
Positioning quality	Quality of the positioning in accordance with the terms of use specified in the HxGN SmartNet Terms and Conditions.	Leica Geosystems GS Sensors ⁵ / Others Horizontal: 0.8 cm / ca. 1-3 cm Vertical: 1.5 cm / ca. 2-5 cm
Data rate	Data rate of the RTK correction data:	1 Hz
Supported Products	Services: HxGN SmartNet NRTK HxGN SmartNet Pro HxGN SmartNet +	Devices: Open to all GNSS devices Leica Geosystems GS Sensors ⁵ Leica Geosystems GS Sensors ⁵
Country availability	According to Coverage Map	www.hxgnsmarntnet.com/coverage

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RTK bridging ^{1,2,4}		
Data access	Mobile Internet and L-Band	Single Access Point via NTRIP Leica Geosystems GS Sensors ⁵ based decoder
Satellite Constellation Support		GPS, GLONASS
Positioning quality	Quality of the positioning in accordance with the terms of use specified in the HxGN SmartNet Terms and Conditions.	Horizontal: 2.5 cm Vertical: 5 cm
Convergence Time		Instantaneous
Reconvergence		Instantaneous
Seamless positioning experience		Yes
Data rate	Data rate of the RTK correction data:	1 Hz
Supported Products	Services: HxGN SmartNet PRO HxGN SmartNet + HxGN SmartNet PPP	Devices: Leica Geosystems GS Sensors ⁵ Leica Geosystems GS Sensors ⁵ Leica Geosystems GS Sensors ⁵
Country availability	According to Coverage Map	www.hxgnsmartnet.com/coverage

PPP ^{1,2,4}		
Data access	Mobile Internet and L-Band	Single Access Point via NTRIP Leica Geosystems GS Sensors ⁵ based decoder
Satellite Constellation Support		GPS, GLONASS, Galileo, BeiDou
Positioning quality	Quality of the positioning in accordance with the terms of use specified in the HxGN SmartNet Terms and Conditions.	Horizontal: 2.5 cm Vertical: 5 cm
Convergence Time		< 10 min
Reconvergence		< 1 min
Seamless positioning experience		Yes
Supported Products	Services: HxGN SmartNet Pro HxGN SmartNet PPP	Devices: Leica Geosystems GS Sensors ⁵ Leica Geosystems GS Sensors ⁵
Country availability	Globally	www.hxgnsmartnet.com/coverage

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RINEX data & related services		
Post-Processing	Download RINEX v3 files	Accessible via Web-based customer portal, integrated applications, API [®]
Support		
HxGN SmartNet Mobile App	Mobile Application compatible with Android and iOS	User specific operational and administrative status information on HxGN SmartNet services
Customer Portal	Access to applications and support services	User status information; usage report; subscription and access administration
Contact	www.hxgnsmartnet.com	Web: www.hxgnsmartnet.com/contact App: HxGN SmartNet Mobile App Local language & English



1. The correction data is made available via IP-based access points or via L-Band in the scope of use agreed in the subscription. The Service provided is regulated by www.hxgnsmartnet.com/legal-documents
2. Measurement precision, accuracy, reliability and time for initialization are dependent upon various factors including number of satellites, satellites constellation, observation time, atmospheric conditions, multipath etc. Figures quoted assume normal to favorable conditions.
3. Please contact your local support for detailed information.
4. RTK Bridging and PPP Corrections means service provider use of orbit, clock, and atmospheric corrections via geostationary L-band satellites or IP-based stream to continue the output of a near RTK accurate position on loss of RTK data which is generated and broadcast for use in receivers to improve the accuracy of standalone GNSS positioning.
5. Please check the compatibility with your local support.
6. Included for RINEX data download subscription with a minimum volume of 10.000 hours.