

High-accuracy navigation made simple

HAUT RECEIVER

User terminal for Galileo HAS in Service Phase 2



Spaceopal's Galileo HAS User Terminal for Service Phase 2 provides a precise positioning, velocity and time (PVT) solution based on the Galileo High Accuracy Service Level 2 (SL2), guaranteeing access to the corrections from either the SIS or Internet and offering a flexible approach to the configuration, user interfaces and logging.

The Galileo HAS User Terminal delivers a precise positioning worldwide based on Galileo HAS SL1 and benefits from additional ionospheric corrections and enhanced performance for Europe using SL2.



Discover next-level
positioning precision

sales@spaceopal.com

GNSS		
Constellations	GPS, Galileo	
Signals	GPS L1C/A / L2P/ L2C / L5 Galileo E1 / E5a / E5b / AltBOC / E6	
Observations	Triple-frequency pseudoranges and carrier phases	
Solution rate	Up to 100 Hz	
Augmentation	Galileo HAS Service Level 1- Worldwide Galileo HAS Service Level 2 - Europe	
Correction sources	Galileo E6-B NTRIP – RTCM3	
Interference detection/mitigation	Narrow/wide band interference in/out L-band	
Interfaces		
Data exchange	Real-time streams Files	
Connectors	USB-C Ethernet	
Wireless	Wifi	
Human Machine Interface	For real-time configuration, monitoring and file exchange	
Characteristics		
Size	~80x180x250 mm3	
Mass	< 2.2 kg	
Environmental		
Temperature	non-operational:	-40 – 75 °C
Constellations	operational:	-20 – 65 °C
Vibration / Shock	10–200 Hz log sweep / 3g (sweep time 30 minutes) 3 axes	
Shock	50g vertical / 30g all axes	
Humidity	+60° C @ 95% RH	
Corrosion	5% salt spray (up to 48h)	
Waterproof	IP64	
Performance		
Accuracy SL1/SL2	Horizontal	< 20 cm
	Vertical:	< 40 cm
Convergence time SL1	280s	
Convergence time SL2	10s	
Power supply		
External	PoE adapter USB-c adapter	
Internal batteries	4h autonomy	
External batteries	Through USB-c interface	