



Gateway.

Connect your digital field to satellites.



The HiberHilo Gateway receives the data collected by the HiberHilo Sensors from your wells or pipelines and sends all information to the dashboard via the satellites. Lightweight at 5.5 kilos, but tough. Simple, but powerful. It is an autonomous system enabling data transfer from LoRaWAN devices to a cloud-platform. As an autonomous system, it can operate off the mobile grid and power grid networks. HiberHilo Gateway is available in the frequency plans EU868, US915, AU915 and AS923-1.

Certifications.



Innovation, Science and
Economic Development Canada



Got gateway questions?

We've got some answers. Get in touch today, and we'll be happy to help. E: sales@hiberhilo.com

About HiberHilo

HiberHilo is an easy-to-install end-to-end IoT solution for monitoring remote wells anywhere on earth using reliable and affordable satellite connectivity. Hiber partners with WTS Energy on the installation, service, and maintenance of HiberHilo to help the oil and gas industry increase safety and operational efficiency during the energy transition. The company was founded in 2016 and has its headquarters in Amsterdam in the Netherlands. WTS Energy is a leading solution supplier in the oil, gas and renewable energy industries and has 21 offices around the globe.



CONNECTIVITY SUPPORTED

Connectivity type	Parameter	Value
LoRaWAN	Number of Channels	Up to 8
	Network Server	Integrated
	Device Support Class	A
	Supported Regional Plans and max EIRP	EU868: 16 dBm
		US915: 30 dBm
		AU915: 30 dBm
		AS923-1: 16 dBm
WLAN (WiFi)	Supported Frequency	2.4 GHz: 802.11b/g/n
Ethernet	Transmission Speed	10/100 Mbps

ELECTRICAL CHARACTERISTICS

Parameter	Min	Typical Value	Max
POWER IN (VDC)	12	-	24
POWER IN (W)	-	24	-
POWER OUT (VDC)	-	POWER IN (VDC) - 0.5V	-
POWER OUT (W)	-	-	POWER IN (W) - 24W

THERMAL CHARACTERISTICS

Parameter	Min (°C)	Max (°C)
Storage ambient temperature	-20	+60
Operating ambient temperature	-20	+60

PRODUCT DIMENSIONS

Parameter	Value
Size	330 mm x 230 mm x 140 mm
Weight	5.5kg

PRODUCT WIRING

Connector label	Description	Pins
POWER IN	M12 female L-coded 4 or 5 pin adapter	Pin 1: GND
		Pin 2: NC
		Pin 3: NC
		Pin 4: VCC
		Pin 5 (FE): GND
EXT. BATTERY	Not supported	
POWER OUT	M12 male A-coded 5 pin adapter	Pin 1: NC
		Pin 2: VCC
		Pin 3: NC
		Pin 4: GND
		Pin 5: GND
ETHERNET	M12 male D-coded 5 pin adapter	Pin 1: TX+
		Pin 2: RX+
		Pin 3: TX-
		Pin 4: RX-
		Pin 5: GND

SUB-GHz	N type female connector for LoRa antenna
2.4 GHz	N type female connector for WiFi antenna
GNSS	Not supported
HIBERBAND	Not supported

ACCESSORIES

8 dBi omni-directional LoRa antenna included
3.5 dBi / 2.4 GHz omni-directional WiFi antenna
Wall and pole mounting for gateway and Explorer 540 Satellite Terminal (BGAN)
Outdoor AC/DC adapter, output 24 V / 1.6 A
Indoor AC/DC adapter, output 24 V / 2.5 A (Optional)
All required cables
Quick start guide

WARRANTY

1 year

CERTIFICATIONS

FFC (ID: 2ASDVVIA1)
ISED (ID: 24744-VIA1)
CE certified
Certificates of conformity available upon request. Please contact support@hiber.global .