



# UniDAQ

## Universal Data Acquisition **on the Edge**



[www.unidaq.ai](http://www.unidaq.ai)





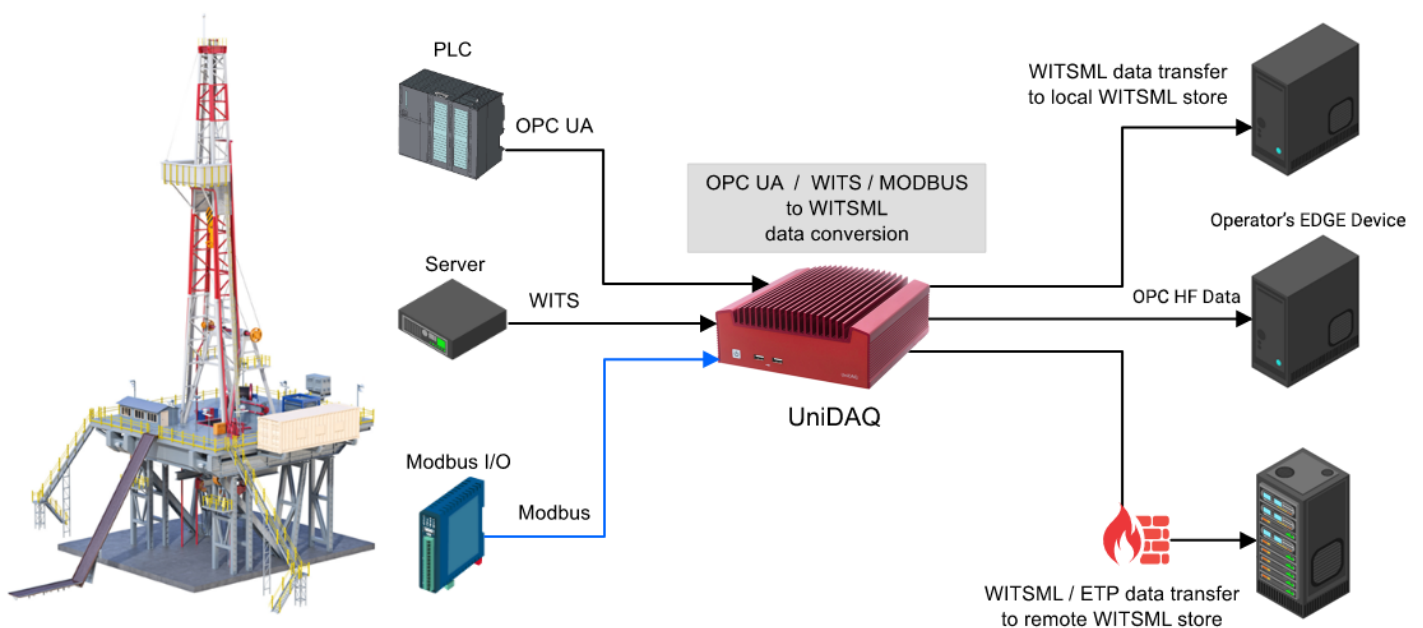
## Real-Time Results

UniDAQ is a simple easy to use, ruggedized industrial fanless computer, specifically designed to use in Oil & Gas Drilling and renewable Energy Industries. It is preloaded with many security features like Windows IoT Enterprise OS security features and combines them with Intel Platform Trusted Technology (PTT) and Intel Virtualization Pro. UniDAQ DATA Hub is the software application suite which is bundled with this device which allows you to perform seamless data conversion of various Industry-standard formats, Data Aggregation of multiple Data Sources and also allows you to integrate different systems using standard industry protocols.

## Applications:

### Data Conversion

A complete change for the better, UniDAQ enables you to automatically convert WITS / MODBUS / OPC UA data and stream as WITSML or ETP simply and efficiently. It handles both time and depth-based data and is a single source or multi-source WITS / MODBUS / OPC UA in – WITSML / OPC UA out converter.



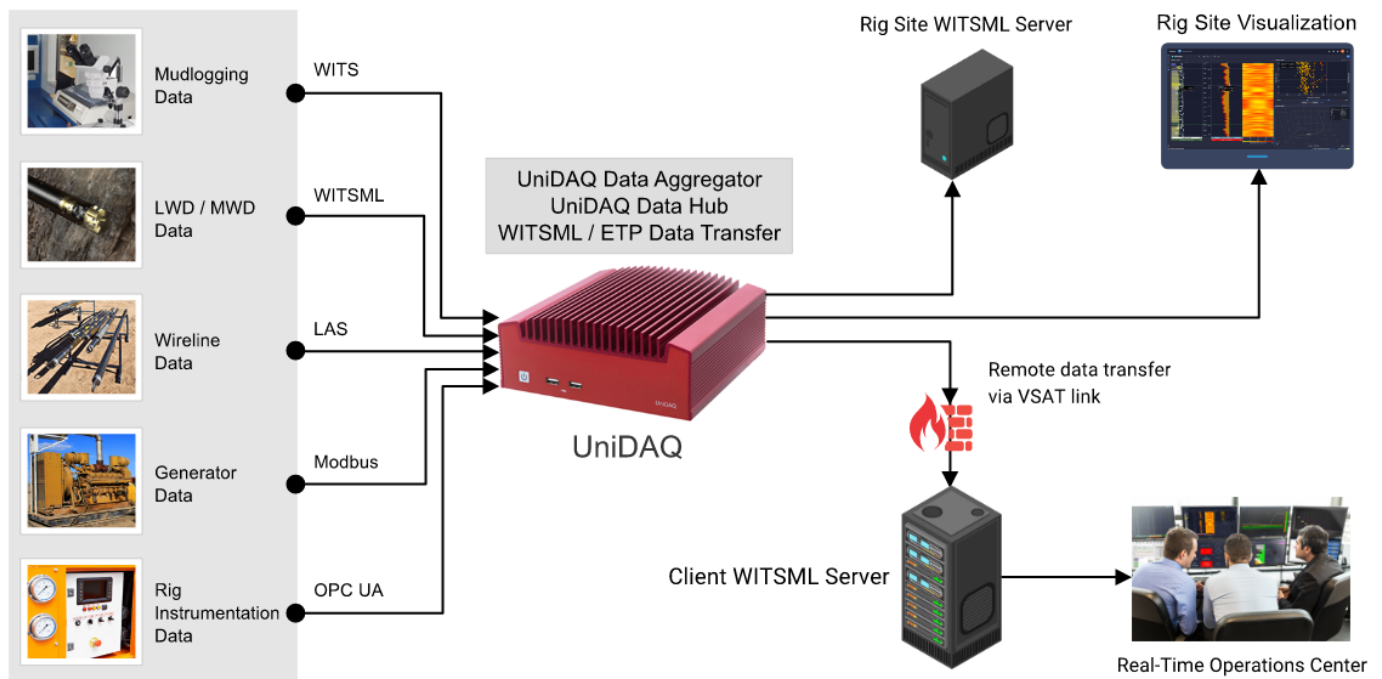
### Data Aggregation

UniDAQ HF acquires sensor and field equipment data from any source on any remote site. It simplifies data acquisition by providing one integrated system. Data is acquired using standard industrial methods and protocols and can be configured with a Rig Historian to allow for the analysis of high frequencies 'On the Edge' prior to down sampling for transmission to office facilities.



## Features:

- Certified for WITSML 1.4.1 by Energistics
- Support 24 hrs data buffering for 1Hz WITSML Data stream
- Optional WITSML storage available for complete well
- Support Limited Rig Historian storage for storing HF data
- Easy to use User Interface with built in user guide
- Customization of WITSML Log Name and Channel Mnemonics to match Operator standards



## Optional Services offered along with UniDAQ

- 24 x 7 online support
- On call Hardware & Software Maintenance Support
- Edge Analytics services
- Real Time Data access via Petrolink's cloud platform and applications
- Mobile Data Access via Petrolink's cloud platform and applications





## UniDAQ Technical Specifications:

Physical Parameters	
Dimensions (WxHxD & Weight)	197 x 79.2 x 202 mm (7.76" x 3.12" x 7.95") Weight: 3.2 kg
Power needs	12 VDC
Case Material	Aluminium Steel
Certifications/Regulatory info	2011/65/EU (RoHS 2 Directive) CEEN 55022EN 55024EN 55032EN 60950-1FCC 47 CFR Part 15
Operating Temperature range	0-50° C
Hardware type	Fanless Industrial system
Processor type	Intel Core i7-6700TE (Skylake) 2.4 GHz Processor: LGA1151
Memory	32 GB SO-DIMM DDR4 2133 MHz
Primary Storage	1TB mSATA SSD
WiFi	Dual-Band 2x2 802.11a/b/g/n
Rear I/O	1 HDMI ports, 1 DisplayPort, 1 VGA port, 2 Gb LAN ports, 4 USB 3.0 ports 1 RS-232/422/485 COM port, 1 RS-232 COM port
Front I/O	2 USB 2.0 ports, Power button
Number of parameters	300 +

## UniDAQ Functional Specifications:

UniDAQ Inputs	
WITS (level 0)	Serial (RS232/RS485) and TCP/IP
WITSML	1.3.1, 1.4.1
Modbus	Modbus RTU via RS232/485 Modbus TCP/Ethernet
OPC	OPC DA , OPC UA
UniDAQ Outputs	WITSML 1.4.1 over SOAP and ETP OPC UA Server
Additional options *	PetroVue visualization OPC Historian Data Access Edge Analytics at site

*\*Additional licence fee and hardware cost applicable*

## How can we help you?

For any support or technical inquiries, please contact us at [Support@UniDAQ.ai](mailto:Support@UniDAQ.ai)

For more information about UniDAQ products details, email us at [Sales@UniDAQ.ai](mailto:Sales@UniDAQ.ai)

