



Smart Connections

## ionSign Cloud

Web Interface to Data and Devices

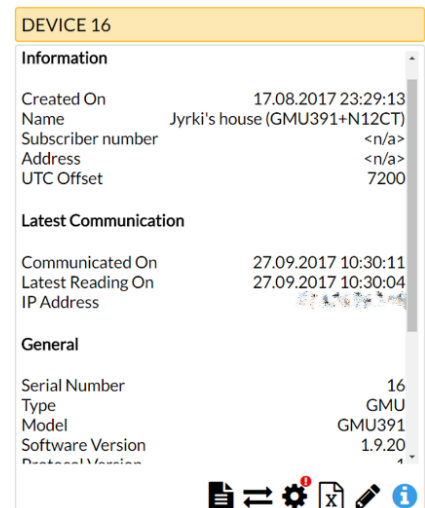
ionSign’s loggers bring data from field meters and sensors to servers of your choice: your own, a commercial one like AWS, Azure, Bluemix, or to **ionSign Cloud**. The **Cloud** is a platform for reporting and field device management. Using ionSign’s loggers, you’re not bound to use the **Cloud**, but it greatly adds to your data and device management choices.

### ionSign CLOUD – Flexible Integration

ionSign Cloud brings remote data at everyone’s disposal. Whether a platform provider, energy or facility manager, or a remote asset owner, you’ll find a plan to fit your needs of data collection. Off-the-shelf, ionSign Cloud includes everything to start reporting on the fly. It also works with your existing systems. Built on standard http, data transfer from ionSign loggers is effortless to integrate. We don’t like vendor-lock-in any more than you.

### Manage Devices & Reports

With ionSign **Neutron** and **Gluon** data loggers, and **ionSign Cloud**, the IoT path from zero to hero is incredibly short and fast. Browser access to reports and configuration works instantly after device setup. GSM devices can instead be configured with SMS messages. Or you’re free to use your own preferred cloud with ionSign loggers.



### CASE: Alphadeck, UK



Alphadeck is a powerful and user friendly smart building management platform. ionSign’s loggers are a part of Alphadeck’s portfolio, and data has to be automatically imported into the Alphadeck platform at high frequency intervals. The adopted solution uses a *data forward* approach, where devices are managed in ionSign Cloud, data is converted into the Alphadeck format and forwarded to the platform server real-time in JSON format. Development work was light and fast.



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## 5 Ways to work with ionSign CLOUD

### 1. ionSign Cloud in Charge

Send data to ionSign Cloud, view and download reports, and manage devices. The easy way.

### 2. ionSign Cloud Private Instance

Install ionSign Cloud on your own server and enjoy all features in a setting only you control.

### 3. Hybrid Setup

Receive data right to your own data system, manage devices in ionSign Cloud. Requires a data interface. We provide documentation or do it for you.

### 4. ionSign Cloud Data Forward

Send data to and manage devices in ionSign Cloud. Receive forwarded real-time JSON data to your own data system, via a bespoke interface. Forwarding also to commercial clouds. FTP Get option.

### 5. Customer Cloud in Charge

Receive data directly to your own data system, also manage field devices there. Requires interfaces for data and devices. We provide documentation or do them for you. GSM devices can alternatively be managed with SMS messages.

METER SELECTION			Modbus (36)	METER 25	
#	▲ Name	Last	Analog (0)	Name	Ulkorakennus L1
1	Ulkorakennus L1	4761	Pulse (8)	Last Raw Value	43.00
3	Ulkorakennus L2	4441	Temperature (1)	Unit of Measure	kWh
5	Ulkorakennus L3	0 mA	Modbus (36)	Minimum Value	0
7	Pannun ohjaus L1	0 mA		Maximum Value	0
9	Pannun ohjaus L2	0 mA		Divider	1000
11	Pannun ohjaus L3	0 mA		Numeric Type	Int 32 bit unsigned
13	Lämmitysvastus L1	0 mA		Register Type	Other
15	Lämmitysvastus L2	0 mA		Modbus ID	0
17	Lämmitysvastus L3	0 mA		Register Type	Not Used
19	<not set>			Modbus Register	<unset>
20	<not set>			Register status	Inactive
21	<not set>				
22	<not set>				
23	<not set>				
24	<not set>				
25	Ulkorakennus L1	2824.53 kWh			
27	Ulkorakennus L2	3188.11 kWh			
29	Ulkorakennus L3	2488.06 kWh			
31	Pannun ohjaus L1	61.46 kWh			
33	Pannun ohjaus L2	62.88 kWh			

