## Huawei SmartLogger FTP Integration Setup Guide

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**•** 7620

## Huawei SmartLogger FTP Integration Setup Guide

AlsoEnergy supports the ability for Huawei SmartLoggers to push data to our platform without relying on an additional data logger. This document outlines the setup procedure necessary to get a Huawei SmartLogger device uploading to AlsoEnergy servers to allow for devices to be monitored in Powertrack. Fore reference, Huawei's documentation for the SmartLogger FTP configuration can be seen here: https://support.huawei.com/enterprise/en/doc/EDOC1100108365/b2db81a0/how-do-i-set-ftp-parameters .

- 1. Each site uses a unique set of credentials for FTP uploads. Multiple SmartLoggers on the same site can use the same set of credentials, but credentials should not be used between different sites, as the AlsoEnergy data ingest recognizes different sites based on the credentials used for the upload. You should receive login credentials for each site that you are configuring from an AlsoEnergy representative. You will need these when you being configuring your SmartLogger device.
- 2. Open a web browser and connect to the Huawei SmartLogger via the local network or remotely, by entering in its IP address (or the modem's IP and port forward if connecting remotely.) You should be greeted by a login page that looks like this:



- 3. Select the "Advanced User" option from the User Name field drop-down menu and enter in the password for this logger. (On many sites, the SmartLogger's password is left as the default of `Changeme`.) Once you have entered the credentials click "Log In" to proceed to the SmartLogger's configuration page.
- 4. On the SmartLogger configuration page, click on the Settings tab near the top center, and then the Extended Parameters > FTP link along the left side of the navigation menu. This should take you to a page that looks like this:

Enspire	Deployment Wizard Over View Moni	toring Query Settings Maintenance	
🛛 User Param.	Basic parameters		
Date&Time	FTP server		
Plant	User name		
Revenue	Password		
Save Period	Remote directory		
Bluetooth	Report Settings		
E Comm. Param.	Data export	Disable ~	
Ethomot	File format	Format 1	
	File name	minYYMMDD.csv ~	
K5405	Time format	YY-MM-DD ~	
Power Meter	Export mode	Cyclic ~	
Management System	Export interval	30	min (5~1440)
Modbus TCP	File mode	Accumulated data ~	
IEC103	Latest Report Status		
IEC104	Status	Success	
Extended Parameters	Last transmission	2000-01-01 00:00:00	
FTP 2		Submit Start report test	
Email			
Port Settings			
DO			
USB			
<ul> <li>Alarm Output</li> </ul>			
• Other Parameters			
Time 2020-10-02 15:37	Grid dispatch P:94.0% Q:NA		₩ Copyright © Huawei Technologies Co., Ltd. 2018. All rights reserved.

5. Enter in the FTP credentials obtained in step 1 in the Basic Parameters fields near the top. The FTP server will differ depending on what instance of PowerTrack (North America / Europe / etc.) the site is hosted on. You can leave the "Remote directory" field blank. European Instance FTP Server: huaweiftp.alsoenergy.eu
North American Instance FTP Server: huaweiftp.alsoenergy.eom

North American Instance FTP Server: huaweiftp.alsoenergy.com

Basic parameters	
FTP server	huaweiftp.alsoenergy.eu
User name	huaweiftp_012345
Password	****
Remote directory	

6. in the Report Settings region, use the following configuration options:

Data export = Enabled

File format = Format 2 (this is important as Format 1 does not include data for the SmartLogger itself or cumulative energy values) File name = minYYYYMMDDHHmm.csv

Time format = YYYY-MM-DD

Export Mode = Cyclic

Export Interval = 5 (this is the number of minutes between data points. It can be set to 15 for less granular data on slower/smaller sites) File Mode = Periodically added data

## **Report Settings**

Data export	Enable ~
File format	Format 2 V
File name	minYYYYMMDDHHmm.csv ~
Time format	YYYY-MM-DD ~
Export mode	Cyclic ~
Export interval	30 min (5~1440)
File mode	Periodically added data ~

Format 2 has two more information points than Format 1: E-Day (current-day energy yield) and E-Total (total

energy yield).

Format 3 has more information points than Format 1 and Format 2: power meter, PID module, user-defined device, and SmartLogger data.

Format 4 has more information points than Format 3: active and reactive power of power meters.

7. Click the "Start report test" button at the bottom of the page and give the logger several minutes to try and make the connection. If it succeeds, then the Status will change to "Success" and the "Last transmission" field should update to the current date and time. Click Submit, and the SmartLogger should begin uploading data via FTP to AlsoEnergy. If the test report fails, then double-check that you have correctly entered in the login credentials, and attempt to troubleshoot the network connection between the site and the FTP Server end point.

- 8. In PowerTrack, you will need to add the serial numbers for each device that you wish to populate data for. Log in atpps.alsoenergy.com or apps.alsoenergy.eu, and navigate to the site that you are configuring.
  - Click the Wrench + Screwdriver configure option for the site.
  - Click the Hardware tab on the navigation menu on the left side.
  - 3. Enter in the associated serial numbers for each Huawei SmartLogger FTP device.
  - 4. Click Save to commit your changes to the PowerTrack configuration.

PowerTrack	AlsoEnergy	English	English (United States) 🔹 🚺 🔹						
Global Top-Level Alerts	< 🍳 👜 🚢 📧 📩	Hardware				Also Ene	ergy 🗸 👌 MPT Te	est 🗸 👌 Huawei FTP Test	Ţ
🖌 Top-Level Map	huawei ftp test		Huawei FTP Test	: Not In Service - Please contact	support			4	
🚔 Top-Level Portfolio	Search By	Check All Hardware							ľ
S Top-Level Rule Tool	Name 💌	Check All Hardware		3			$\odot$		
Site Status	include	Description	Driver Gateway ID	Serial Number Port	Address	Unit ID	FID	Sort	
Alerts		Huawei FTP Inverter 1	Huawei FTP Smart Inverter	1010001010ES8398 0	0	0	PV0	1 8	ļ
S Rule Tool		Huawei FTP Inverter 2	Huawei FTP Smart Inverter	1010001010ES8399 0	0	0	PV1	2 🛞	ļ
네 Charts		Huawei FTP Inverter 3	Huawei FTP Smart Inverter	1010001010ES8400 0	0	0	PV2	3 🛞	ļ
Hardware 2		■ •×= Huawei FTP Inverter 4	Huawei FTP Smart Inverter	1010001010ES8401 0	0	0	PV3	4 🛛	ļ
Configuration More Views		∎ • 🗶 = Huawei FTP Weather 1	Huawei FTP Weather Sense	1010001010ES8402 0	0	0	WS0	51 8	I
🏲 MiniSite		Huawei FTP Weather 2	Huawei FTP Weather Senso	1010001010ES8403 0	0	0	WS1	52 🛞	l
+ Add New		ADD NEW							

5. If you are having difficulty finding the serial numbers for the devices, you can find them in the SmartLogger itself, by navigating to the Maintenance -> Device List page, as shown below:

e power system							English 🗸 🔞 🕞			
Enspire		Dep	oloyment Wizard Ove	er View	Monitoring	Query Settings	Maintenance			
• Firmware Upgrade	Total Device Qty.:28									
• Product Information	Sorting mode Port+Comm Addr. V Confirm									
<ul> <li>Security Settings</li> </ul>		No.	Device	port	Comm Addres	s Logical addr.	Transformer No.	Winding No.	SN	Device status
<ul> <li>System Maint.</li> </ul>		1	1-1-a	PLC	1	10	0	0	21010735296TJ89	•
• Device Log		2	1-1-b	PLC	2	28	0	0	21010735296TJ89	•
- 0		3	1-1-c	PLC	3	7	0	0	21010735296TJ89	•
		4	1-1-d	PLC	4	6	0	0	21010735296TJ79	•
License Management		5	1-1-e	PLC	5	12	0	0	21010735296TJ79	•
Device Mgmt.		6	1-2-a	PLC	6	16	0	0	21010735296TJA	•
		7	1-2-b	PLC	7	2	0	0	21010735296TJA	•
Connect Device		8	1-2-c	PLC	8	24	0	0	21010735296TJA	•
Device List 2		9	1-2-d	PLC	9	4	0	0	21010735296TJA	•
Export Param.		10	1-2-е	PLC	10	27	0	0	21010735296TJA	•
Clear Alarm		11	1-3-a	PLC	11	19	0	0	21010735296TJA	•
Data Re-collection		12	1-3-b	PLC	12	20	0	0	21010735296TJA	•
Adjust total energy vield		13	1-3-c	PLC	13	13	0	0	21010735296TJA	•
riajaat tatal energy yiela		14	1-4-a	PLC	14	21	0	0	21010735296TJA	•
		15	1-4-B	PLC	15	30	0	0	21010735296TJB	•
		16	1-4-c	PLC	16	8	0	0	21010735296TJA	•
		17	1-4-d	PLC	17	26	0	0	21010735296TJA	•
		18	1-5-a	PLC	18	17	0	0	21010735296TJA	•
		19	1-5-b	PLC	19	3	0	0	21010735296TJA	•
		20	1-5-c	PLC	20	18	0	0	21010735296TJA	•
		21	1-5-d	PLC	21	22	0	0	21010735296TJA	•
		22	1-5-e	PLC	22	15	0	0	21010735296TJA	•
	П	23	1-6-a	PLC	23	9	0	0	21010735296TIA	• v
	Mod	lify Device	e Info Import Device In	ifo Exp	ort Device Info					
Time 2020-10-02 16:24	Grid dis	patch P:	94.0% Q : NA					🎎 Cop	yright © Huawei Technolog	jies Co., Ltd. 2018. All rights reserved.

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