Modbus Registers Extraction Report

Project06

For:

,

By: Anthony Pondepeyre

INEO

Tested by:	**Accepted by:**
Name:	Name:
Signature:	Signature:
Date:	Date:

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1 Project Overview

1.1 Project Description

1.2 Project Information

Project Created	22-02-2025 18:09:16
Prepared By	Anthony Pondepeyre
Company Name	INEO

1.3 Customer Information

Market Segment	
Customer Name	
Address	-
Country	
Contact Person	

2 List of Devices

Switchboard

Device name	Device type
EcoStruxure Panel Server	EcoStruxure Panel Server

3 Modbus Registers Extraction

3.1.1 Wired devices

3.1.2 Wireless devices

Device Details :
Gateway type :EcoStruxure Panel Server , Name :EcoStruxure Panel Server
IP address : 192.168.1.34
Device type : A9XST114
Modbus address : 10

Asset Name	Usage	Register Address	Data Type	R/W	Bit	Data Name	Comment
Temp	-----	31000	ASCII	R		Asset name	User-defined asset name of the wireless device. The user can enter maximum 20 characters.
Temp	-----	31010	ASCII	R		Label	User-defined circuit ID of wireless device. The user can enter maximum five characters.
Temp	-----	31013	UINT16	R		Usage	Indicates the usage attribute of the wireless device.
Temp	-----	4000	FLOAT32	R		Temp	Temperature

Device Details :
Gateway type :EcoStruxure Panel Server , Name :EcoStruxure Panel Server
IP address : 192.168.1.34
Device type : A9MEM1560
Modbus address : 31

Asset Name	Usage	Register Address	Data Type	R/W	Bit	Data Name	Comment
F63 1P+N	-----	31000	ASCII	R		Asset name	User-defined asset name of the wireless device. The user can enter maximum 20 characters.

F63 1P+N	-----	31010	ASCII	R		Powertag label	User-defined circuit ID of wireless device. The user can enter maximum five characters.
F63 1P+N	-----	31013	UINT16	R		Usage	Indicates the usage attribute of the wireless device.
F63 1P+N	-----	3005	FLOAT32	R		IN	Current phase Neutral
F63 1P+N	-----	2999	FLOAT32	R		I1	Current phase 1
F63 1P+N	-----	3001	FLOAT32	R		I2	Current phase 2
F63 1P+N	-----	3003	FLOAT32	R		I3	Current phase 3
F63 1P+N	-----	3027	FLOAT32	R		V1	LN Voltage 1
F63 1P+N	-----	3029	FLOAT32	R		V2	LN Voltage 2
F63 1P+N	-----	3031	FLOAT32	R		V3	LN Voltage 3
F63 1P+N	-----	3053	FLOAT32	R		W1	Active Power 1
F63 1P+N	-----	3055	FLOAT32	R		W2	Active Power 2
F63 1P+N	-----	3057	FLOAT32	R		W3	Active Power 3
F63 1P+N	-----	3019	FLOAT32	R		U12	LL Voltage Phase 1 to 2
F63 1P+N	-----	3021	FLOAT32	R		U23	LL Voltage Phase 2 to 3
F63 1P+N	-----	3023	FLOAT32	R		U31	LL Voltage Phase 3 to 1
F63 1P+N	-----	3271	INT64	R		WHr_O	Partial Active Energy Received
F63 1P+N	-----	3263	INT64	R		WHr_I	Partial Active Energy Delivered
F63 1P+N	-----	5056	INT64	R/W		WHrAOut	Active Energy Received 1
F63 1P+N	-----	5048	INT64	R/W		WHrAIn	Active Energy Delivered 1
F63 1P+N	-----	5096	INT64	R/W		WHrBOut	Active Energy Received 2
F63 1P+N	-----	5088	INT64	R/W		WHrBIn	Active Energy Delivered 2
F63 1P+N	-----	5136	INT64	R/W		WHrCOut	Active Energy Received 3
F63 1P+N	-----	5128	INT64	R/W		WHrCIn	Active Energy Delivered 3

F63 1P+N	-----	3287	INT64	R		VARHr_O	Partial Reactive Energy Received
F63 1P+N	-----	3279	INT64	R		VARHr_I	Partial Reactive Energy Delivered
F63 1P+N	-----	5240	INT64	R/W		VARHrAOut	Reactive Energy Received 1
F63 1P+N	-----	5232	INT64	R/W		VARHrAIn	Reactive Energy Delivered 1
F63 1P+N	-----	5280	INT64	R/W		VARHrBOut	Reactive Energy Received 2
F63 1P+N	-----	5272	INT64	R/W		VARHrBIn	Reactive Energy Delivered 2
F63 1P+N	-----	5320	INT64	R/W		VARHrCOut	Reactive Energy Received 3
F63 1P+N	-----	5312	INT64	R/W		VARHrCIn	Reactive Energy Delivered 3
F63 1P+N	-----	3211	INT64	R		WHr_O_Pos_NonReset	Total Active Energy Received
F63 1P+N	-----	3207	INT64	R		WHr_I_Pos_NonReset	Total Active Energy Delivered
F63 1P+N	-----	5060	INT64	R		WHrAOut_NonReset	Active energy received 1 non resettable
F63 1P+N	-----	5052	INT64	R		WHrAIn_NonReset	Active energy delivered 1 non resettable
F63 1P+N	-----	5100	INT64	R		WHrBOut_NonReset	Active energy received 2 non resettable
F63 1P+N	-----	5092	INT64	R		WHrBIn_NonReset	Active energy delivered 2 non resettable
F63 1P+N	-----	5140	INT64	R		WHrCOut_NonReset	Active energy received 3 non resettable
F63 1P+N	-----	5132	INT64	R		WHrCIn_NonReset	Active energy delivered 3 non resettable
F63 1P+N	-----	5196	INT64	R		VARHr_O_Pos_NonReset	Reactive energy received count negatively non reset
F63 1P+N	-----	5180	INT64	R		VARHr_I_Pos_NonReset	Reactive energy delivered count positively non reset
F63 1P+N	-----	5388	INT64	R/W		VAHrA	Apparent Energy 1
F63 1P+N	-----	5428	INT64	R/W		VAHrB	Apparent Energy 2

F63 1P+N	-----	5468	INT64	R/W		VAHrC	Apparent Energy 3
F63 1P+N	-----	5368	INT64	R		VAHrDel+Rec_NonReset	Apparent energy delivered + received non resettable
F63 1P+N	-----	3203	INT64	R		WHrDel+Rec_NonReset	Total Active Energy
F63 1P+N	-----	3255	INT64	R		WHrDel+Rec	Partial Active Energy
F63 1P+N	-----	3059	FLOAT32	R		WTtl	Total Active Power
F63 1P+N	-----	3067	FLOAT32	R		VARTtl	Total Reactive Power
F63 1P+N	-----	3061	FLOAT32	R		VARA	Reactive Power 1
F63 1P+N	-----	3063	FLOAT32	R		VARB	Reactive Power 2
F63 1P+N	-----	3065	FLOAT32	R		VARC	Reactive Power 3
F63 1P+N	-----	9200	FLOAT32	R		VLNAvg	Voltage average all phases
F63 1P+N	-----	3075	FLOAT32	R		VA_Ttl	Total Apparent Power
F63 1P+N	-----	3069	FLOAT32	R		VA_A	Apparent Power 1
F63 1P+N	-----	3071	FLOAT32	R		VA_B	Apparent Power 2
F63 1P+N	-----	3073	FLOAT32	R		VA_C	Apparent Power 3
F63 1P+N	-----	3083	FLOAT32	R		PFTtl	Total Power factor
F63 1P+N	-----	3077	FLOAT32	R		PFA	Power Factor 1
F63 1P+N	-----	3079	FLOAT32	R		PFB	Power Factor 2
F63 1P+N	-----	3081	FLOAT32	R		PFC	Power Factor 3
F63 1P+N	-----	3307	INT32	R		OpTimeLoadOverPstrVal	Load Running Hour Counter
F63 1P+N	-----	3769	FLOAT32	R		PkWDDel+Rec	Max Demand Total Active Power
F63 1P+N	-----	3771	D/T IEC 870-5-4	R		DTPkWDDel+Rec	Max Demand Total Active Power Timestamp

Device Details :

Gateway type :EcoStruxure Panel Server , Name :EcoStruxure Panel Server
IP address : 192.168.1.34
Device type : A9XMC2D3
Modbus address : 20

Asset Name	Usage	Register Address	Data Type	R/W	Bit	Data Name	Comment
C 2DI 230V	-----	31000	ASCII	R		Asset name	User-defined asset name of the wireless device. The user can enter maximum 20 characters.
C 2DI 230V	-----	31010	ASCII	R		Label	User-defined circuit ID of wireless device. The user can enter maximum five characters.
C 2DI 230V	-----	31013	UINT16	R		Usage	Indicates the usage attribute of the wireless device.
C 2DI 230V	-----	45200	UINT16	R		DiIn_GGIO1_Ind1	Generic Input status 1
C 2DI 230V	-----	45500	UINT16	R		DiIn_GGIO1_Ind2	Generic Input status 2
C 2DI 230V	-----	45000	UINT16	R		XCBR1_Pos1	Breaker position 1
C 2DI 230V	-----	45300	UINT16	R		XCBR1_Pos2	Breaker position 2
C 2DI 230V	-----	45100	UINT16	R		XCBR1_CBTripInd 1	Trip indication 1
C 2DI 230V	-----	45400	UINT16	R		XCBR1_CBTripInd 2	Trip indication 2
C 2DI 230V	-----	45100	UINT16	R		XCBR1_CBElecTri pInd1	Electrical Trip Indication 1
C 2DI 230V	-----	45400	UINT16	R		XCBR1_CBElecTri pInd2	Electrical Trip Indication 2