PowerLogic™ Advanced Utility Meters

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Advanced Meters

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Offer Updates and Measurement Canada Approvals

ION8650
Offer Updates

- The latest and recommended Firmware version is V4.40.1
- Continued focus on security and product robustness
- Removed support for Telnet and FTP – replaced by SSH and sFTP
- HTTP protocol moved to read-only – configuration support removed
- Fully developed under our new TUV Certified SDL process (IEC62443-4-1 & 2)

Certificate

No.: 968/FSP 2315.00/22

Product tested	Edge IoT server	**Certificate holder**	Schneider Electric 2195 Keating Cross Road Saanichton, BC V8M 2A5 Canada
Type designation	EcoStruxure™ Site Server		
Codes and standards	IEC 62443-4-1:2018 (Edition 1.0)	IEC 62443-4-2:2019 (Edition 1.0)	
Intended application	The EcoStruxure™ Site Server complies with the requirements according to IEC 62443-4-1 and Security Capability Level 1 (SL-C 1) for embedded devices according to IEC 62443-4-2.		
Specific requirements	The instructions of the associated User Manual released by manufacturer must be considered. The current versions of the product are specified in the currently valid Revision List. The Revision List is released by the manufacturer in cooperation with the certification body.		

Valid until 2027-02-15

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 2315.00/22 dated 2022-02-15.
This certificate is valid only for products which are identical with the product tested.

Köln, 2022-02-15

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln
Certification Body Safety & Security for Automation & Grid

Dipl.-Ing. Thomas Steffens

New RMICAN approved applications

ION8650

Cell Modem Communications – 4G/LTE option

- Will require V4.40.1
- Available default carrier Rogers
- Comm Order option- S3

Onboard Fiber-Ethernet comm option

- Minimum FW should be V4.20.1
- Comm order option- F1

RMICAN approved for 10-year seal

PM8000 & ION7400 V4.5.00

Introducing the new feature-sets

ION7400

Introducing the new feature-sets

ION7400 Essential

ION7400 Standard

ION7400 Advanced

Introducing the New Variants

ION7400 Essential

ION7400 Standard

ION7400 Advanced

	ION7400 Essential	ION7400 Standard	ION7400 Advanced
Active Energy accuracy	Class 0.2	Class 0.2	Class 0.2
PQ compliance	No compliance	IEC61000-4-30 class S	IEC61000-4-30 class A
PQ measurements	THD, individual harmonics Sag / swell Waveform capture	THD, individual harmonics Sag / swell Waveform capture DDD RVC	THD, individual harmonics Sag / swell Waveform capture DDD Flicker RVC
Memory / Data Recorders	64 MB 10 data recorders	512 MB 50 data recorders	512 MB 64 data recorders
Sampling rate	128 samples per cycle	256 samples per cycle	512 samples per cycle
ION programmability	Yes	Yes	Yes

Advanced Meters

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The Future

Our Continued Focus

True Reliability

> Our customers rely on our device's data to make critical financial and operational decisions

Tangible Results

> Our customers need our devices to provide actionable and easy to understand power quality information

Wide Versatility

> Flexible to adapt to the needs of ever-changing modern electric grid

Accuracy and Robustness

Anti-tampering features

Data Integrity/ Cyber-security

Supply chain-security

PQ Compliance Reporting

Smart event analysis & 3rd party apps (open protocols)?

Enabling swift root-cause analysis

Simultaneous communication

ION Programmability

Modular Hardware

Field upgradable

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ION8700: Next Generation Socket Meter

General Announcement

Utility Open House – Victoria, BC

Dates: September 2025 – TBC

Advanced Meters

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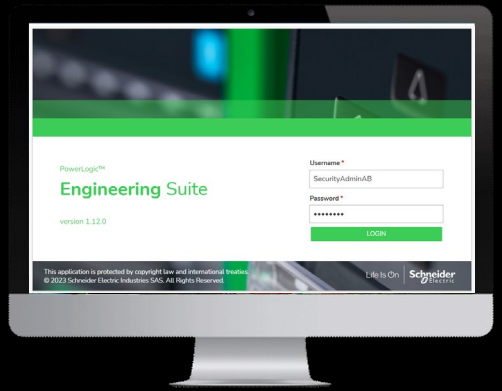
PLES-ION Device Package

PLES ION Device Package

An easy-to-use ION Meters configuration tool providing versatile functionalities

An easy-to-use tool providing versatile functionalities required throughout the life cycle of PowerLogic™ ION Meters

PowerLogic Engineering Suite



PowerLogic Engineering Suite (PLES) for PowerLogic connected devices enabling Panel Builders & System Integrators, and end-users, to seamlessly configure, integrate & maintain the products.

SIMPLE

EASY

- One configuration tool for all Schneider Electric Connected Products
- Flexible to adapt for multiple Personas
- User Experience driven with intuitive configuration journey

EFFICIENT

ENGAGING

- Save Time by re-using pre-configured offline devices
- Optimized task-based workflows (Reducing the need for switching modes)
- Tasks running in the background

RELIABLE

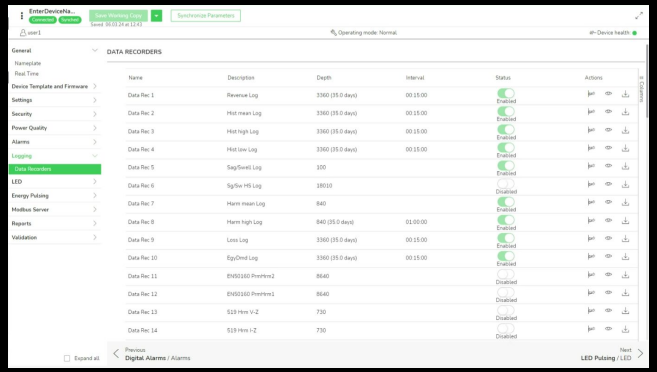
ENABLING

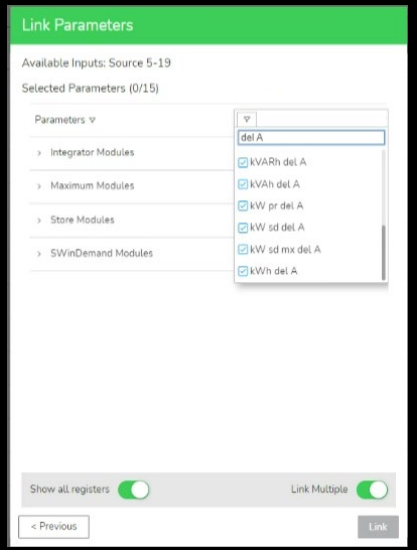
- Fail-safe template paste
- Database backed-up workspace
- Secure by Design - IEC62443 & NERC

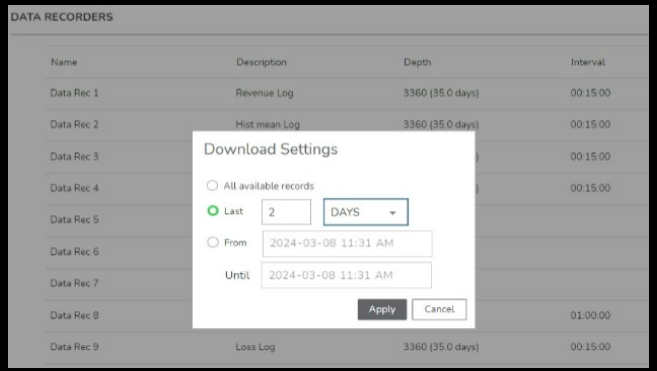
Data logging

Task-based workflows: everything at your fingertips

- Direct access to all the onboard data logs
- Configuration and data retrieval in the same view (No switching)
- Precise control over data retrieval
- Filtering, searching, and sorting capabilities- eliminates the need for in-depth knowledge of ION





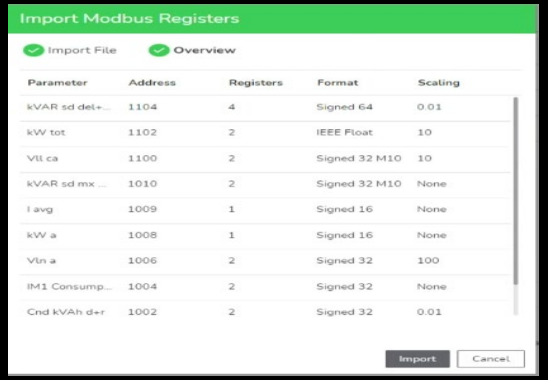


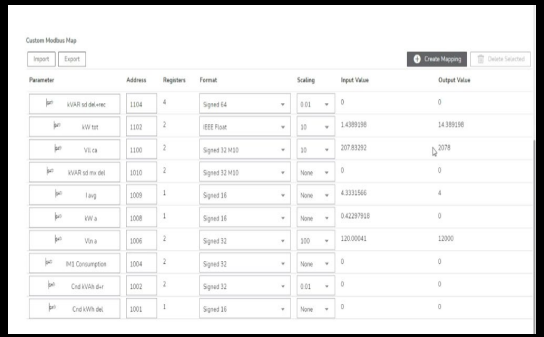
Modbus Mapping

Task-based workflows: everything at your fingertips

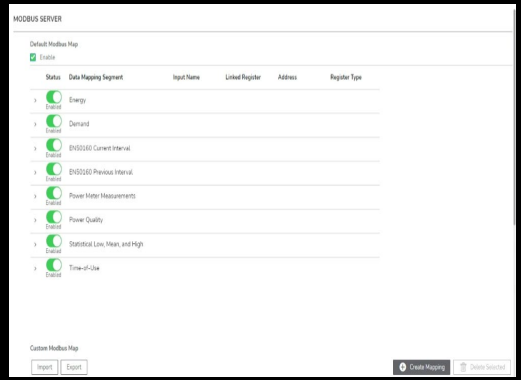
- Visually inspect the **CUSTOM** Modbus map before importing
- Feedback on scaling for the **CUSTOM** Modbus map
- Enabling/disabling **DEFAULT** mapping with a single click
- Visualize the **DEFAULT** Modbus map with details about address and register type (No switching)

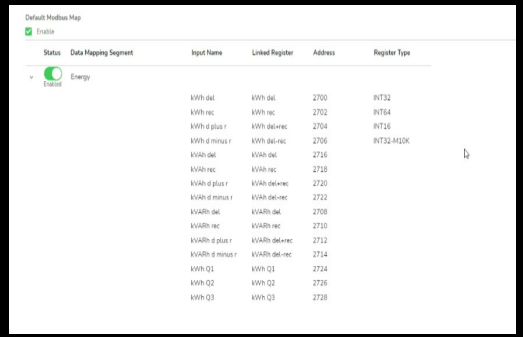
Custom





Default

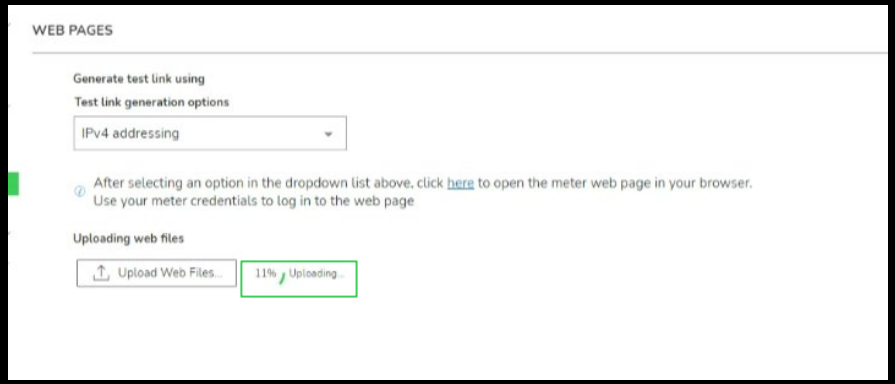




Webpage upload

Task running in the background: multitasking during configuration

- Long-term operations can be run in the background
- Opportunity to implement it for other operations (Firmware UPG, Template, etc.)



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