

使用 LMGateway 配置网关采集 DLT645 协议电能表，提供 Modbus, OPC UA, BACnet 数据服务

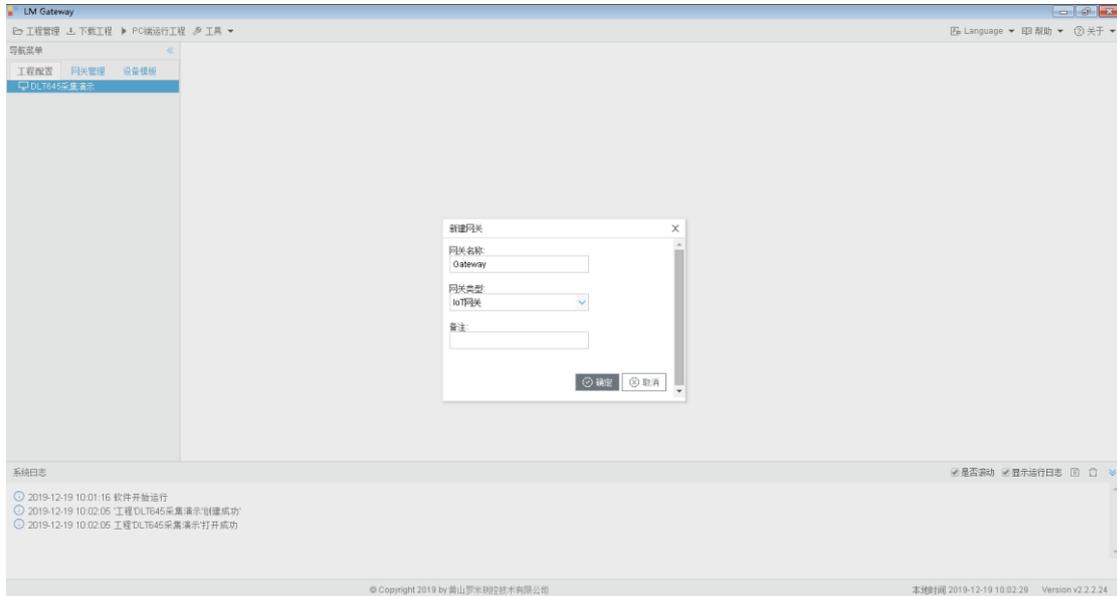
罗米测控数据采集网关集成了 DLT645 协议驱动,工程应用可以通过网关输出的 Modbus, OPC UA, BACnet , HTTP, MQTT 接口对接其他应用系统。

项目使用 Iot 网关，其他网关可参考该配置

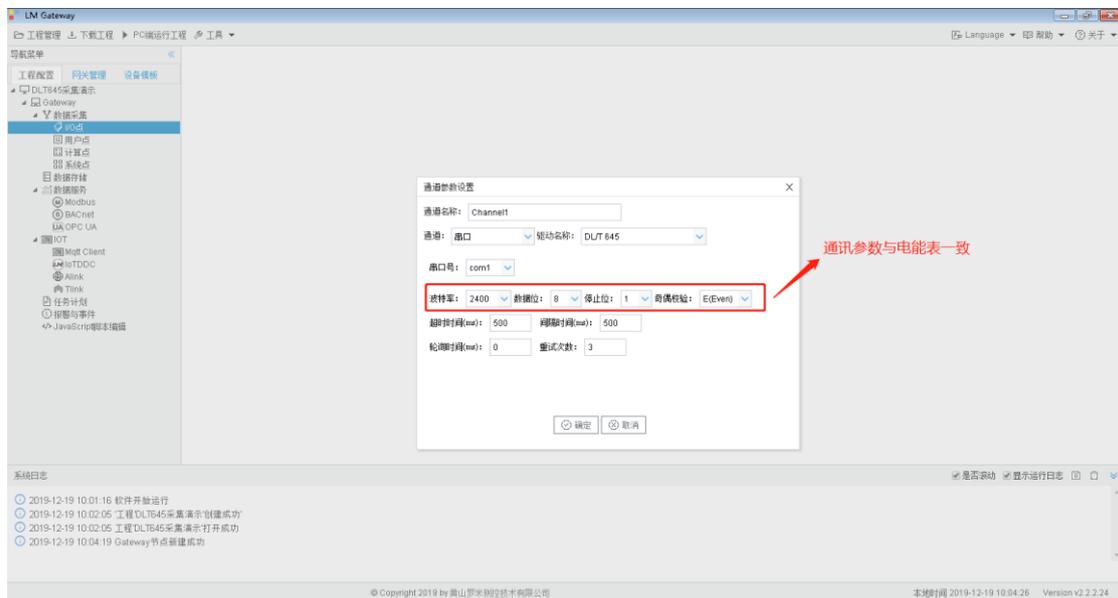
- 演示采集 DLT645 电能表；
- 演示网关提供 Modbus 服务；
- 演示网关提供 OPC UA 服务；
- 演示网关提供 BACnet 服务；

一、LMGateway 数据采集网关配置步骤

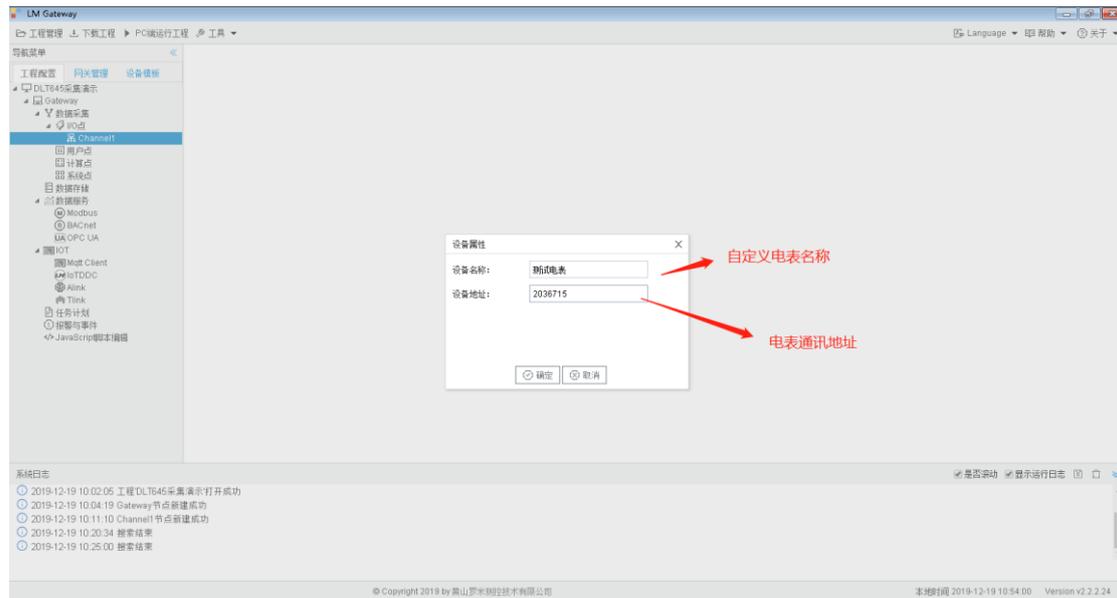
1, LMGateway 工程设置, 选择网关

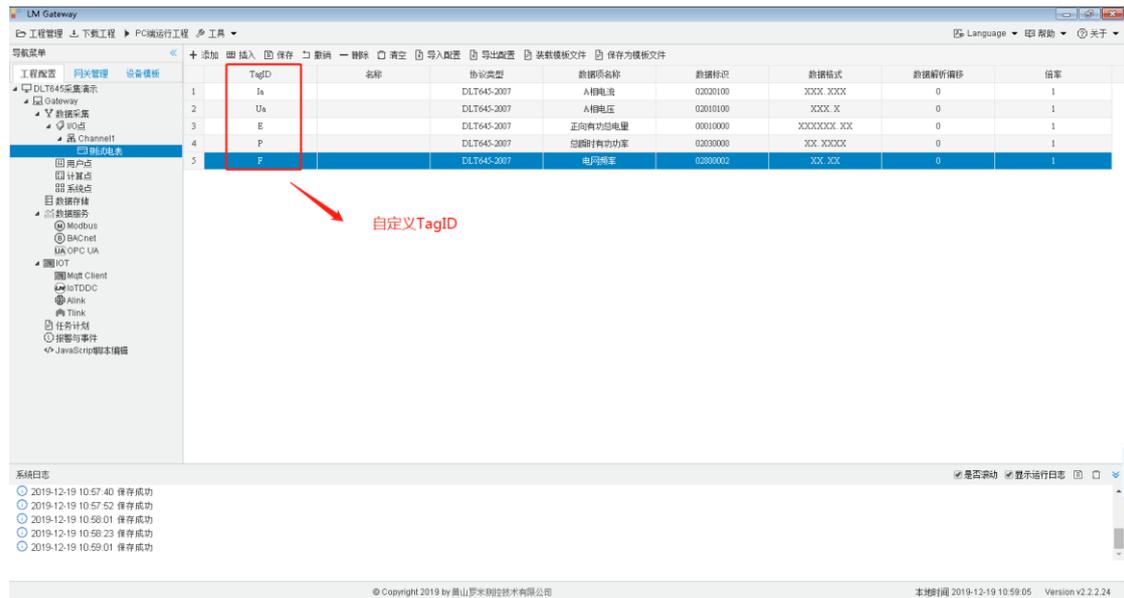


2, LMGateway 工程设置, 在 I/O 点添加通道设置

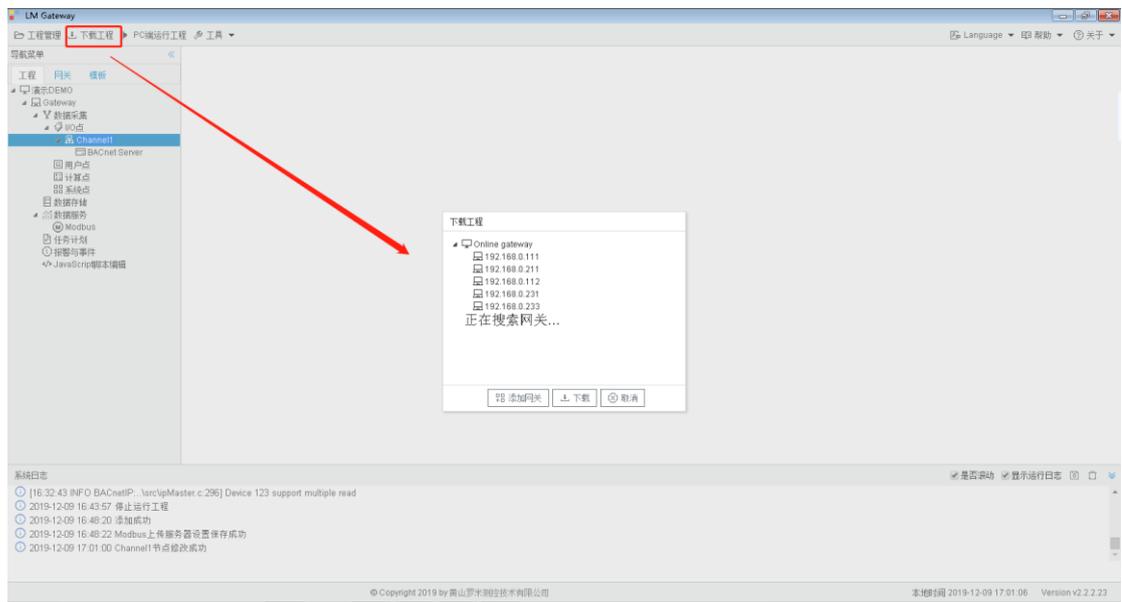


3, LMGateway 工程设置, 添加设备, 添加设备下的采集点





4, LMGateway 工程设置, 下载工程到网关, 查看网关实时数据, 验证网关与电能表通讯是否成功



The screenshot displays the LM Gateway software interface. The main window is titled "LM Gateway" and contains several tabs: "添加网关", "搜索网关", "设置IP", and "系统设置". The "实时数据" (Real-time Data) tab is active, showing a table of test data. The table has columns for "ID", "当前值" (Current Value), "数据点状态" (Data Point Status), and "采集时间" (Collection Time). The data points are labeled as "测试电表E", "测试电表F", "测试电表Ja", "测试电表P", and "测试电表Ja". All data points show a "Good" status. Below the table, there is a "系统日志" (System Log) section with a list of events, including successful saves and program restarts. The footer of the interface includes the copyright notice "© Copyright 2019 by 黄山罗米测控技术有限公司" and the version information "本地时间 2019-12-19 11:07:20 Version V2.2.2.24".

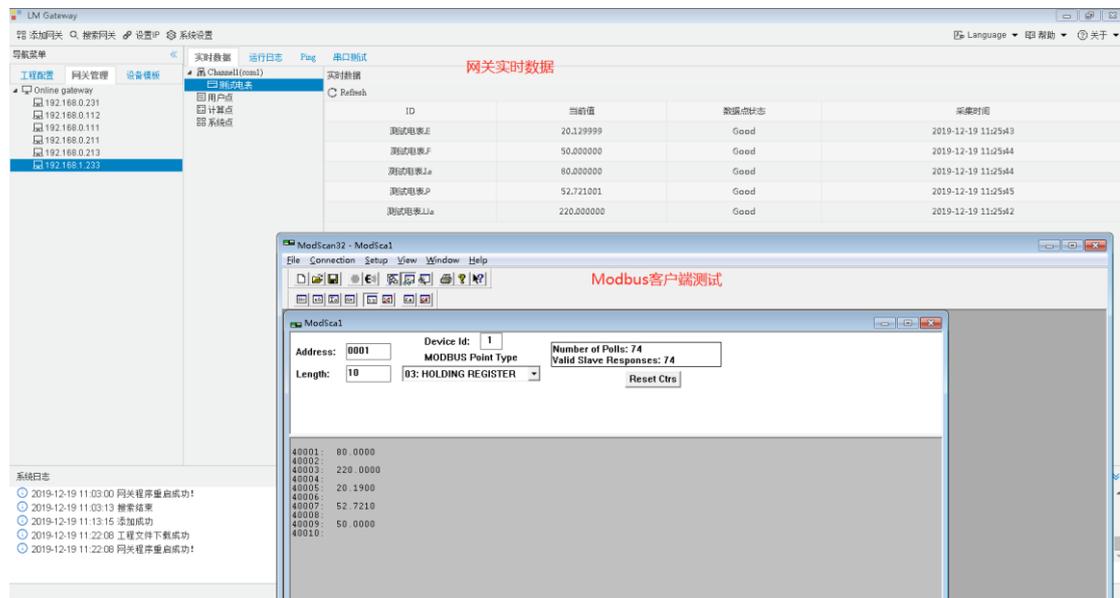
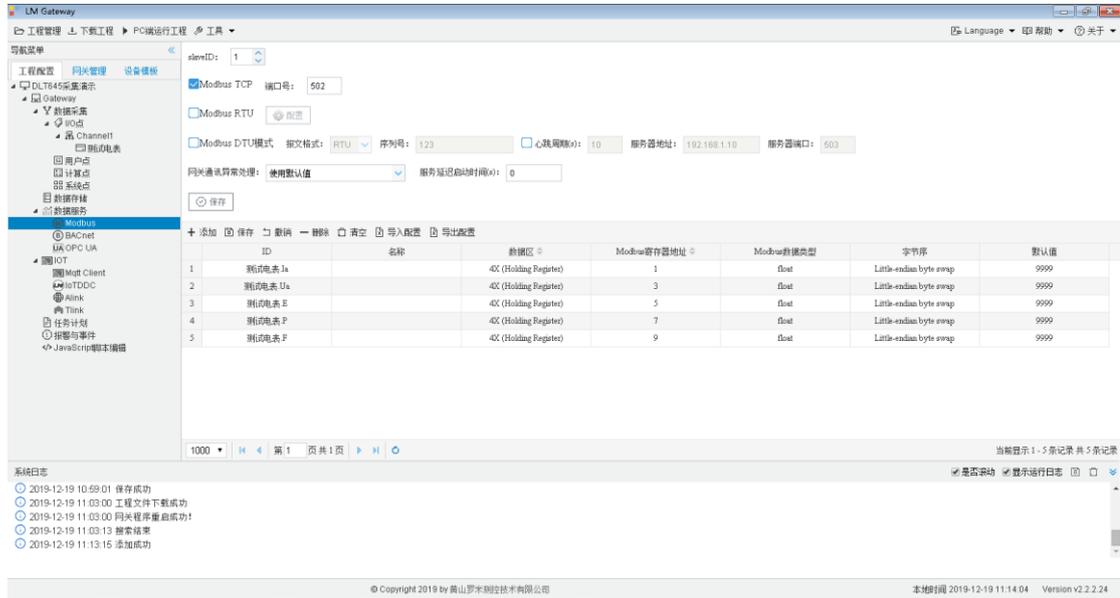
ID	当前值	数据点状态	采集时间
测试电表E	4.270000	Good	2019-12-19 11:07:25
测试电表F	50.000000	Good	2019-12-19 11:07:25
测试电表Ja	80.000000	Good	2019-12-19 11:07:26
测试电表P	52.721001	Good	2019-12-19 11:07:27
测试电表Ja	220.000000	Good	2019-12-19 11:07:28

系统日志

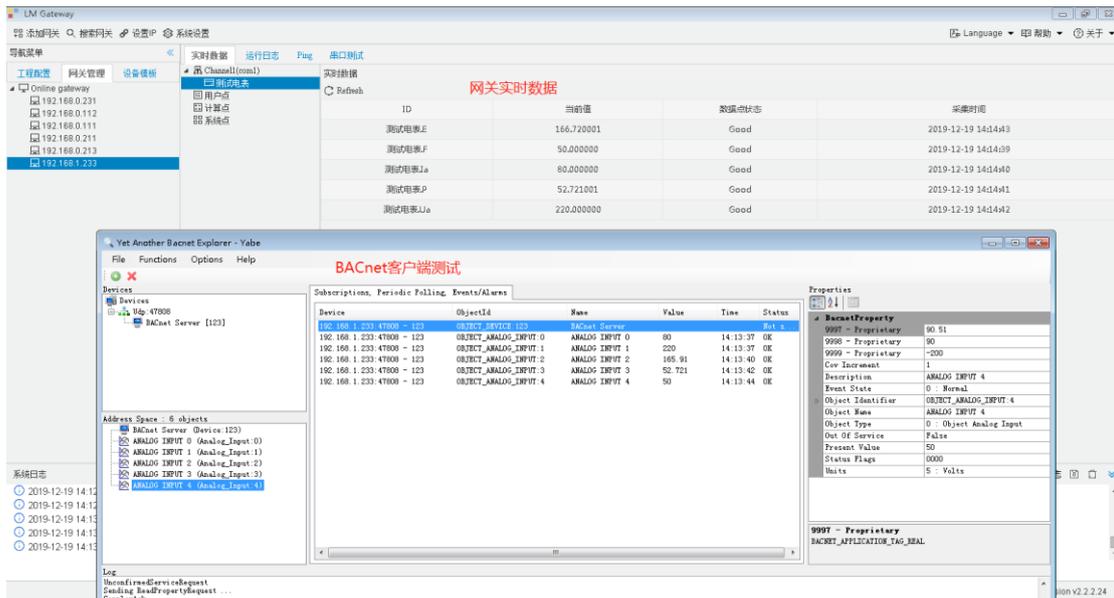
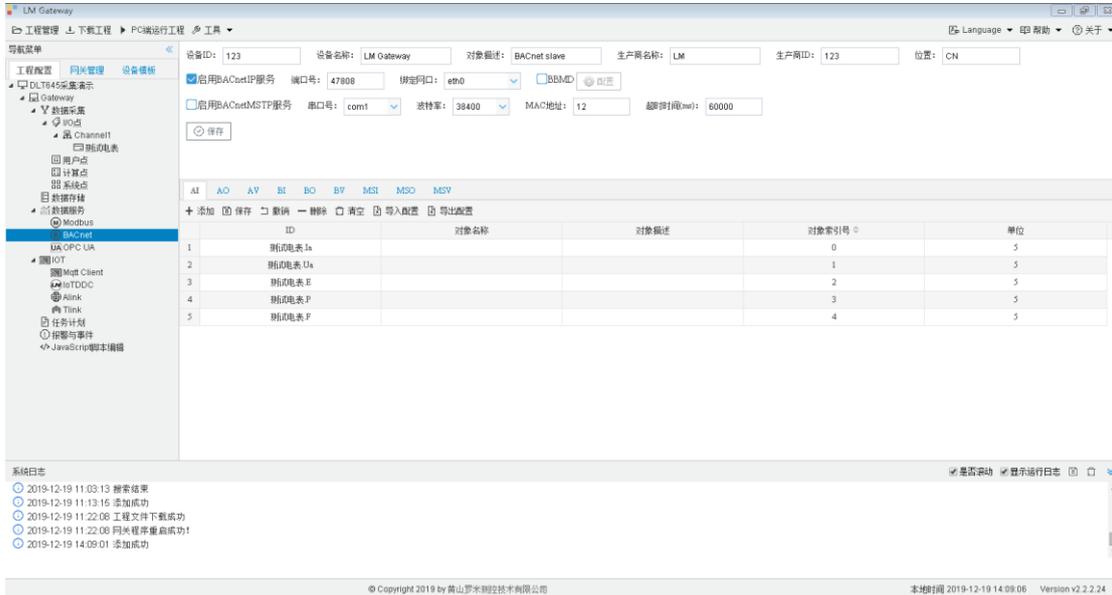
- 2019-12-19 10:58:23 保存成功
- 2019-12-19 10:59:01 保存成功
- 2019-12-19 11:03:00 工程文件下载成功
- 2019-12-19 11:03:00 网关程序重新启动!
- 2019-12-19 11:03:13 搜索结束

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5, LMGateway 工程设置, 启动网关的 Modbus 服务, 添加 Modbus 数据点, 下载工程, 测试网关 Modbus 数据服务



6, LMGateway 工程设置, 启动网关的 BACnet 服务, 添加 BACnet 数据点, 下载工程, 测试网关 BACnet 数据服务



7, LMGateway 工程设置, 启动网关的 OPC UA 服务, 添加 OPC UA 数据点, 下载工程, 测试网关 OPC UA 数据服务

