



The "Application Grid Gateway" supports power distribution grid operators in assessing grid performance. This application allows grid operators to use their existing distribution grid more efficiently, while avoiding unnecessary grid expansion. The measurement technology required in the substation for both the transformer and low-voltage outputs can be easily retrofitted.

The measurement values of the medium voltage, transformer, low-voltage outputs, valve positions and temperatures are transmitted to the grid control system via IEC 60870-5-104. Commands and setpoints can also be received and processed. External measurement systems such as short-circuit/ground-fault direction indicators can be easily parameterized via Modbus RTU. The entire parameterization can be stored in a clear manner and, if necessary, added to other stations. The option of simulating measured data makes it possible to commission new substations at the station builder's location from the grid control system without the field side being connected.

All data, for example the measured values from the low-voltage outputs, can be communicated via MQTT to a cloud.

Asset managers can more accurately plan substation maintenance cycles by accessing both stored data and digital drag indicators. In the event of maintenance or grid errors, remote access helps prepare grid managers for the on-site conditions.

Remote updates for software modules and extensions are possible, eliminating unnecessary in-the-field service. Upon request, WAGO will provide you a hardware solution tailored to your customers' substations.

Patch and device management is available for the administration of a large number of distributed telecontrol devices with the WAGO Application Grid Gateway. This enables application updates, configuration changes, security patches and firmware upgrades, among other things.

Technical Data:

Number of LV outlets: up to 17 NS outlets

Firmware: Hardening in compliance with BDEW White Paper

Patch/device management: Application updates, configuration changes, security patches and firmware upgrades

Communication to the grid control system: IEC 60870-5-104



Communication to the office network: HTTPS, MQTT

Memory requirement on the SD card: less than 2 MB measurement data per day for 15 LV outlets

Authentication: local, LDAP

User groups: network management, network installer, network planner, asset manager, administrator

Network interfaces: secure separation between SCADA and office network

Software data

Supported devices	750-8210: PFC200; G2; 4ETH RS 750-8210/025-000: PFC200; G2; 4ETH RS; T 750-8210/040-000: PFC200; G2; 4ETH RS; XTR 750-8211: PFC200; G2; 2ETH 2SFP 750-8211/040-000: PFC200; G2; 2ETH 2SFP; XTR 750-8212: PFC200; G2; 2ETH RS 750-8212/025-001: PFC200; G2; 2ETH RS; Tele; T 750-8212/025-002: PFC200; G2; 2ETH RS; Tele; T; ECO 750-8212/040-000: PFC200; G2; 2ETH RS; XTR 750-8212/040-001; PFC200; G2; 2ETH RS; Tele; XTR 750-8212/040-010: PFC200; G2; 2ETH M12; RS; XTR 750-8217: PFC200; G2; LTE 2ETH RS 750-8217/025-000: PFC200; G2; LTE 2ETH RS; T
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Delivery

Delivery type	License certificate by email (software available for download)
License type (note)	The single license allows installation on one controller. One license per controller is required.
License type (note) (2)	A PC with both Internet connection and e!COCKPIT may be required for license activation.
License generation	DRM

Commercial data

PU (SPU)	1 pcs
Packaging type	not specified
Country of origin	QU
GTIN	4055143969444
Customs tariff number	8888888888

Product Classification

ETIM 10.0	EC002537
UNSPSC	43232402
ETIM 9.0	EC002537
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2759-2015/261-1000	↓
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Documentation

Manual			
Product Manual Documentation Grid Gateway	3.1.0 05.12.2023	pdf 8845.28 KB	↓

System Description		
Solutions, General Product Information	pdf 321.72 KB	↓

Bid Text		
2759-2015/261-1000	xml 7.39 KB	↓
2759-2015/261-1000	docx 33.03 KB	↓