



WAGO 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 parametrized 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 WAGO Application Grid Gateway. This enables application updates, configuration changes, security patches and firmware upgrades, among other things. This enables application updates, configuration changes, security patches and firmware upgrades, among other things.

**Technical Data:**

Number of LV outputs: up to 17 LV outputs Firmware: hardening in compliance with BDEW White Paper

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

Communication to the network control system: IEC 60870-5-104 Communication to the office network: HTTPS, MQTT

Memory required on the SD card: Less than 2 MB measurement data per day for 15 LV outputs

Authentication: local, LDAP

User groups: Grid manager, grid technician, grid planner, asset manager, administrator

Network interfaces: Secure separation between SCADA and office networks

**Compatible Controllers**

750-8210; PFC200; G2; 4ETH

750-8210/025-000; PFC200; G2; 4ETH; T

750-8210/040-000; PFC200; G2; 4ETH; 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; 2ETH RS; 4G

750-8217/025-000; PFC200; G2; 2ETH RS; 4G; T

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

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 <b>e!COCKPIT</b> may be required for license activation.
License generation	DRM

Commercial data	
ETIM 9.0	EC002537
ETIM 8.0	EC002537
PU (SPU)	1 pcs
Packaging type	not specified
GTIN	4066966123937
Customs tariff number	88888888888

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

## Downloads

### Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2759-2015/260-1000	<a href="#">↓</a>

## Documentation

Manual			
Product Manual Documentation Grid Gateway	3.1.0 05.12.2023	pdf 8845.28 KB	<a href="#">↓</a>