Dupline-Online Subscription
Types DUP-OL-FIRST, DUP-OL-EXTRA

- **Data Logging, Alarm Monitoring and Control of remote or local Dupline® networks**
- **Logged data and events are transmitted to a Central Server via the Internet or the GSM network**
- **The Central server www.dupline-online.com is provided by Carlo Gavazzi on subscription base – no need to install software, no need to invest in new PC**
- **Data can be accessed from any PC with Internet connection using a standard browser (e.g. Internet Explorer)**
- **Access to data is protected by username and password**
- **The Data communication with the Dupline Data Logger over the Internet is encrypted**
- **Configurable Graphical user interface for monitorings, control and change of parameters**
- **Easy export of data as EXCEL-files (e.g. consumption of energy, water and gas from several departments over a certain period of time)**
- **Trend curves and histograms**
- **Alarm handling system with reporting via SMS and/or E-mail and acknowledge of alarms via the Internet or GSM**
- **Switching of digital signals via the Internet**
- **Daily back-up of the dupline-online database**
- **Database holds logged data for a period of 3 years**
- **Subscription includes capacity to save 500.000 loggings in the database**
- **Extremely easy Set-up and Configuration**
- **Possibility to select language on the user menu**
- **Operates with G3800X036 (Dupline® Data Logger)**
- **dupline-online subscription is valid for 12 months, where after it must be renewed**

Product Description

A subscription to Dupline®-Online allows the user to register a Dupline® Data Logger (G3800X036) on the Central Dupline®-Online Server (www.dupline-online.com).
The subscription is valid for a period of 12 months, where after it has to be renewed to continue the service. The Dupline® Data Logger must be configured to send logged data and events to the Central dupline-online server via Internet or GSM. The user gets a user name and password to access the logged Dupline® data from any PC with Internet connection using a standard browser (e.g. Internet Explorer), hence there is no need to install software and to invest in new PC. On the dupline-online user menu, data can be presented in tables or as curves or histograms, data can be exported as EXCEL-files, digital outputs can be switched, and it possible to set up an alarm handling system which can send out alarms via SMS or E-mail.

Type Selection

Text	Ordering no.
12 Month Subscription for the first Dupline® Data Logger (G3800X036) under a new user name.	**DUP-OL-FIRST**
12 month Subscription for an extra Dupline® Data Logger (G3800X036) under an existing user name.	**DUP-OL-EXTRA**

Mode of Operation

Dupline®-Online is an Internet based concept for monitoring and control of remote or local facilities such as water works, factories, power stations, apartment buildings, super markets, gas stations, pump stations and unmanned railway stations.

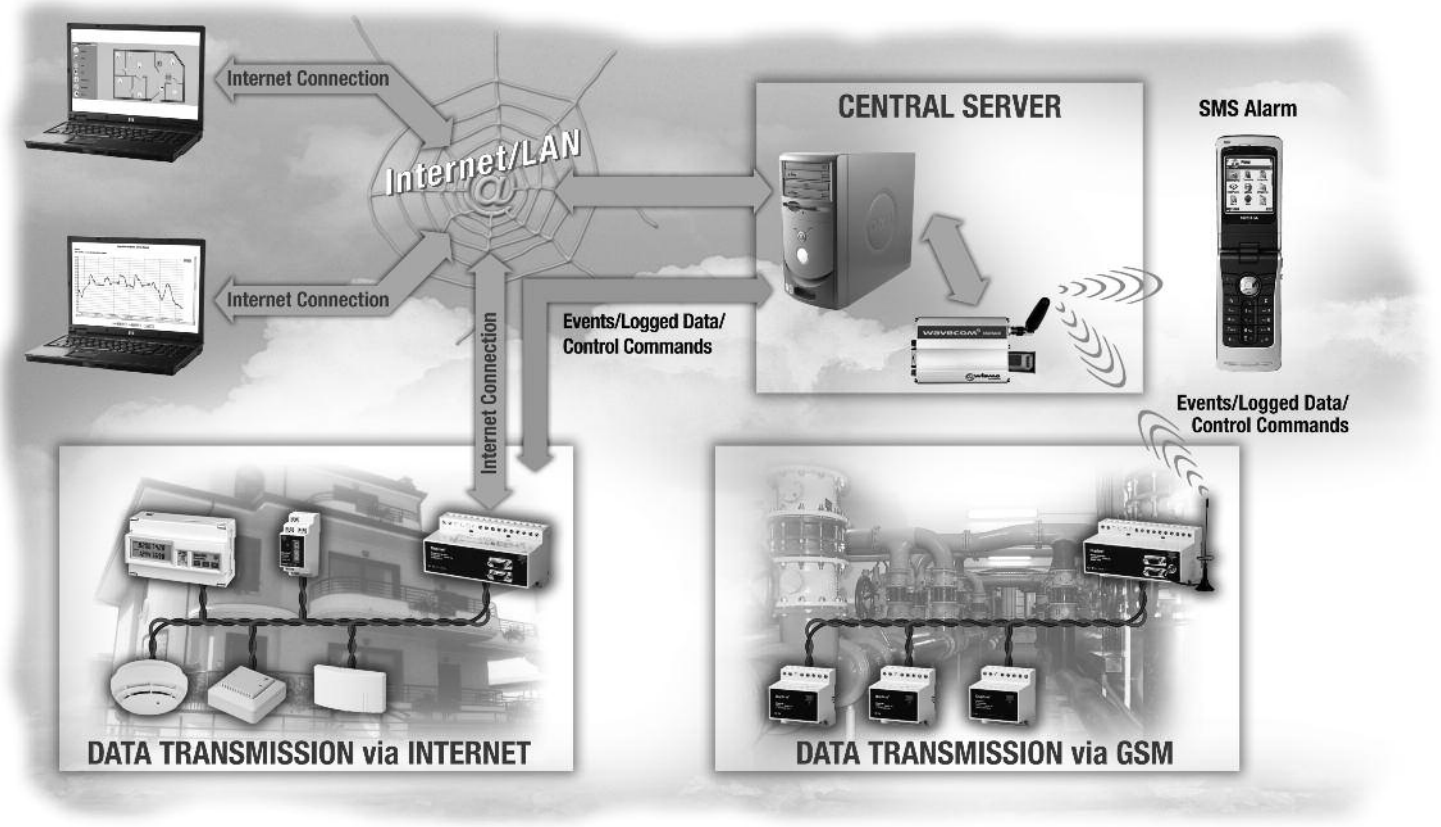
The Dupline®-Online concept consists of the following elements:

1. **Remote or local Dupline networks each using a Dupline® Data Logger (G3800X036) as channel generator.**
2. **The central Dupline-Online Webserver provided by Carlo Gavazzi**
3. **Any PC with Internet connection**

Find below a principle diagram for the Dupline®-Online concept

The Dupline® networks collects and controls all desired field data such as energy, water and gas consumption, alarms, lighting, pumps, movement detectors, temperature, humidity, pressure, fluid levels etc. The Dupline® Data Logger (G3800X036) can be programmed to log any combination of digital, analogue and counter signals based on events or time and send them to the central Dupline®-Online Server (www.dupline-online.com) via the Internet or via the built-in GSM Modem (optional). It is also possible to switch digital Dupline® signals from the Central Dupline®-Online Server via Internet or GSM

Mode of Operation (cont.)



After the Dupline® Data Logger has been programmed, it needs to be registered on www.dupline-online.com. In this way the Central dupline-online Server gets the unique ID code of the Data Logger and it gets information about the descriptions and scaling of the data that it will receive from the Data Logger via the Internet or the GSM network. During registration, the user also gets a user name and password (unless the Data Logger is registered under an existing user name).

Each log record sent to the Central dupline-online Server by the Dupline® Data Logger contains the unique ID code from the Dupline® Data Logger that sent it, enabling the Server to save the data in the log record under the correct user name and device number in the database. The Dupline® Data Logger will continue to send the log record until the dupline-online Server or GSM provider acknowledges it. Data transmitted via the Internet is protected by encryption, and data transmitted via the GSM network is protected by check of the phone number of the transmitting device.

After the Dupline® Data Logger has been registered, the user gets access to the logged data and events on the dupline-online Server (www.dupline-online.com) by entering his user name and password. All the data presented in tables and buffers are shown with time and date stamp. The user menu makes the following functions available:

- Configurable Graphical user interface for monitorings, control and change of parameters (e.g. temperature set-points, switching times on real-time channels)
- Tables with "last logs" for digital, analog and consumption values. The status of digital signals are shown on a real-time basis, because the logging of these is event-based.
- Tables with historical data for a specific signal over a certain period
- Tables with historical data for all signals over a certain period
- Alarm handling system with alarm buffer showing all the events on Dupline® addresses selected by the user (only Digital and Analink setpoint can be selected). The system includes the possibility to acknowledge the alarms, which is also included in the alarm buffer with time and date stamp.
- Possibility to send out alarms as SMS messages or E-mails
- Logged analog signals can be displayed as trend graphs, with possibility to scan through time and zoom on parts of the graph.
- Consumption data (e.g. energy, water or gas) can be dis played as histograms or curves
- All logged data can be exported as EXCEL-files
- Digital Dupline® signals can be switched from the Dupline-Online user menu.

Back-up of the Dupline-Online Server database is made on a daily basis. The logged data is kept in the database for a period of 3 years. One dupline-online subscription includes the capacity for 500.000 logs, where a logging can be a digital event, an analink alarm, an analog value or a counter value.

Mode of Operation (cont.)

The subscription also includes the possibility for the dupline-online server to send out 50 SMS alarm messages, and it is possible to buy capacity for more.