ComAp
The heart of smart control

Short information

Order Codes:
IL-NT-GPRS, CM2ILN2GXBX

Quick Guide

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1 Document information

1.1 Clarification of Notation

Note: *This type of paragraph calls the reader's attention to a notice or related theme.*

IMPORTANT: This type of paragraph highlights a procedure, adjustment etc., which can cause a damage or improper function of the equipment if not performed correctly and may not be clear at first sight.

Example: This type of paragraph contains information that is used to illustrate how a specific function works.

1.2 About this guide

A short Guide how to start using InteliGen 200 module.

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1.4 Document history

Revision number	Date	Author
2	25.9.2019	Michal Jacko
1	2.5.2015	Michal Jacko

2 Available versions of Plug-In module

Nowadays there are two hardware types of GPRS Plug-In module:

2.1 Order Code: IL-NT-GPRS

> Older module GPRS SIM900
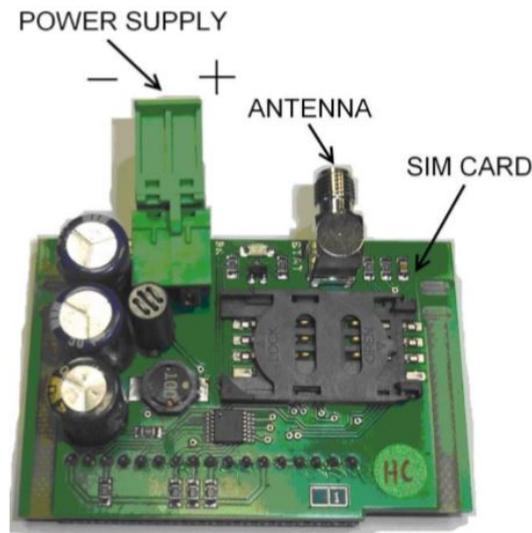
> This module is intended mainly for InteliPro.

Note: *This module also works with InteliLite NT, InteliCompact NT, InteliDrive Lite and their clones but if you need to order a new one, please use the newer/updated version (see below).*

2.2 Order Code: CM2ILN2GXBX

> Updated version of Plug-In module with newer SIM800

> Plug-In communication module for InteliLite-NT, InteliCompact-NT, MainsCompact-NT, InteliATS-NT, InteliDrive-FLX Lite, InteliDrive EM, InteliDrive Marine.

3 Installation

> **IMPORTANT: Any manipulation with plug-in module shall be done with disconnected power supply to both controller and module. Power supply shall be switched on also is same time to both module and controller. Fail to follow these instructions (power supply active only in controller or only in module) can lead to module or controller failure!**

1. You will need one of supported ComAp controllers (IL-NT/IC-NT/ID-Lite), InteliGen 200, antenna, SIM card with GPRS service and optionally IL-NT RS232 or IL-NT S-USB module. Firmware supporting InteliGen 200 module is IL-NT 2.0 or IL-NT-WSUP or selected customer branches (contact support@comap-control.com for details). It is available here.

2. Contact SIM card operator for getting GPRS APN (APN = Access Point Name) name, username and password.

   > **Example:** APN Name = internet.t-mobile.cz, UserName = [blank], Password = [blank].

3. Make sure SIM card does not require PIN code. If it does, it is possible to disable it in any common network unlocked mobile telephone.

4. Power up the ComAp controller.

5. Enter correct APN Name, APN UserName and APN UserPass in controller's Setpoint group **Comms Settings**. Set COM1 Mode = DIRECT. Comms settings as every Setpoint group are accessible by PAGE button from any measurement screen on controller. Setpoints can be set on controller's front panel keyboard or by LiteEdit 4.5 and higher.

6. Switch off ComAp controller.

7. Place the SIM card into slot on IL-NT-GPRS card, plug in the InteliGen 200 card into communication slot on back side of ComAp controller.

8. Connect the antenna to designated SMA connector.

9. Connect power supply to InteliGen 200 module. It supports 8-36V DC voltage.

10. Power up the system (Controller and module together).

11. Wait for approx 2-4 minutes for first connection of the system to AirGate. AirGate will generate automatically the AirGate ID value. Then navigate to last of measurement screens where you will find signal strength bar and AirGate ID identifier.

Once this AirGate ID is displayed, connection via AirGate was successful. This value will be needed for LiteEdit or WebSupervisor connection. Kindly make a note for future reference.
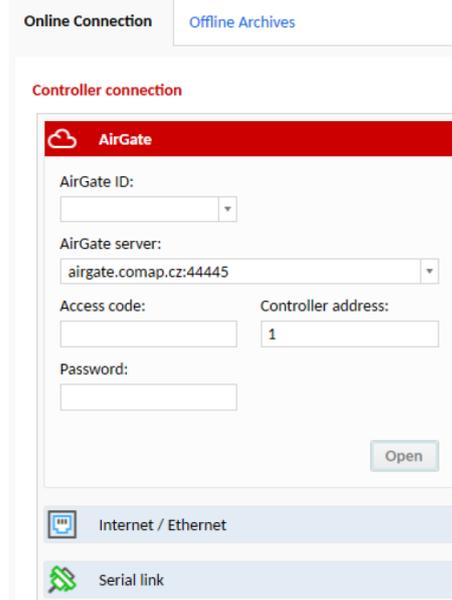

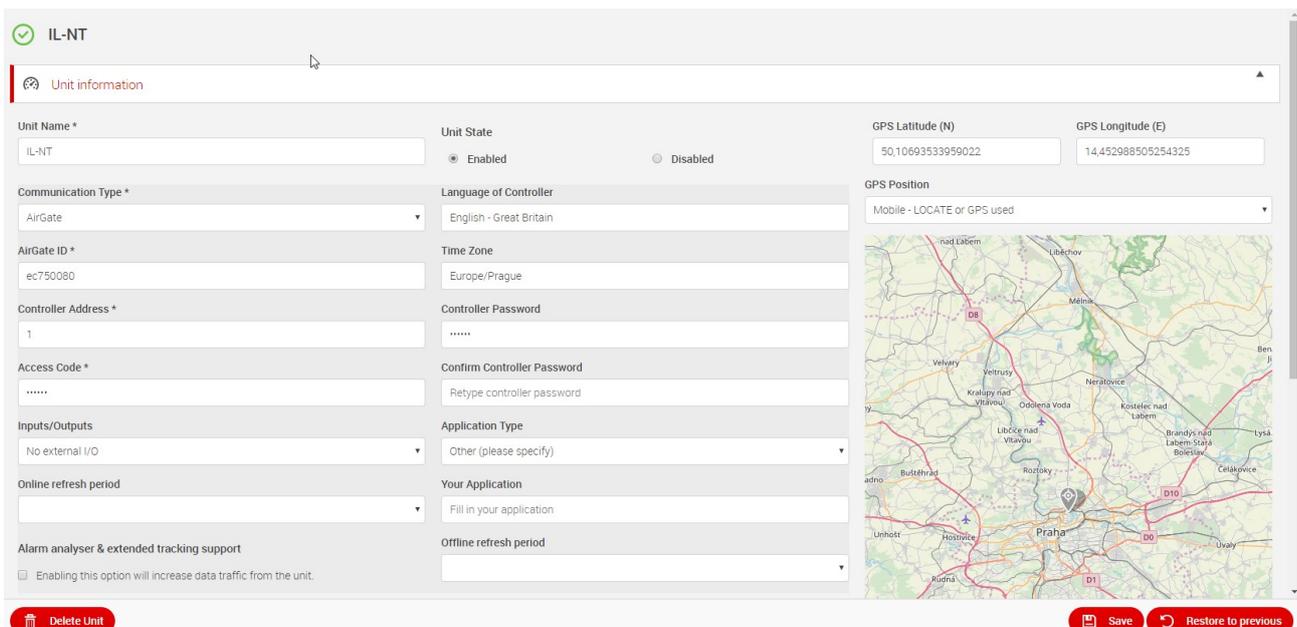Image 3.1 AirGate Connection dialog in LiteEdit

Image 3.2 Add new Gen-set dialog in WebSupervisor

Should you encounter any troubles with connection, check the faultcodes on the same screen and find detailed description in Diagnostic codes listed lower (**see Diagnostic Codes on page 9**).

12. Open LiteEdit PC software or enter your WebSupervisor account at www.websupervisor.net.

For more information about WebSupervisor see WebSupervisor Global Guide.

Note: For opening a new WebSupervisor account kindly send e-mail to www.websupervisor.net your Name, Login name, E-mail address and Timezone. We will create free account for you. Details at: www.comap-control.com.

3.1 Communication is now ready for use

*Note: To reduce the data traffic over GPRS network you can set in Setpoint group **Comms Settings** the Setpoint AirGate IP = 80.95.108.26. This will save significant data amount needed for translation of AirGate server IP address. In case of changing the server IP address this settings has to be updated or returned to default „airgate.comap.cz".*

Note: From it's nature the GPRS connection can from time to time drop for a short time due to a number of reasons affecting the cellular network. However the system is designed in the way that controller will automaticaly reconnect back.

IMPORTANT: All manipulations with InteliGen 200 module has to be done with DC power supply switched off. Module can be only powered on while plugged in the controller and together with controller!

4 Diagnostic Codes

Diagnostic code for InteliGen 200 modem

Code	Description
0	OK. No error.
1	Not possible to hang up.
2	InteliGen 200 is switched off.
3	InteliGen 200 is switched on.
4	InteliGen 200 – error in initialization.
5	InteliGen 200 – not possible to set the APN.
6	InteliGen 200 – not possible to connect to GPRS network.
7	InteliGen 200 – not possible to retrieve IP address.
8	InteliGen 200 – not accepted DNS IP address.
9	Error in modem detection.
10	Error in initialization of analog modem.
11	SIM card is locked (Possibly PIN code required, PIN needs to be deactivated) or unknown status of SIM locking.
12	No GSM signal.
13	Not possible to read the SIM card parameters.
14	GSM modem did not accepted particular initialization command, possibly caused by locked SIM card.
15	Unknown modem.
16	Bad answer to complement initialization string.
17	Not possible to read GSM signal strength.
18	CDMA modem not detected.
19	No CDMA network.
20	Unsuccessful registration to CDMA network.
23	Controller couldn't detect InteliGen 200 module communication speed.
24	No power supply.

AirGate Diag – Diagnostic Code for AirGate connection

Code	Description
0	Waiting for connection to AirGate Server.
1	Controller registered, waiting for authorization.
2	Not possible to register, controller blacklisted.
3	Not possible to register, server has no more capacity.
4	Not possible to register, other reason.
5	Controller registered and authorized.

Note: ComAp believes that all information provided herein is correct and reliable and reserves the right to update at any time. ComAp does not assume any responsibility for its use unless otherwise expressly undertaken. Some of InteliLite functions are subject of changes depend on SW version. The data in this manual only describes the product and do not garant performance or characteristic.