

NB Client

for G-4510 series

User's Manual V1.0.0



High Quality, Industrial Data Acquisition, and Control Products

Warranty

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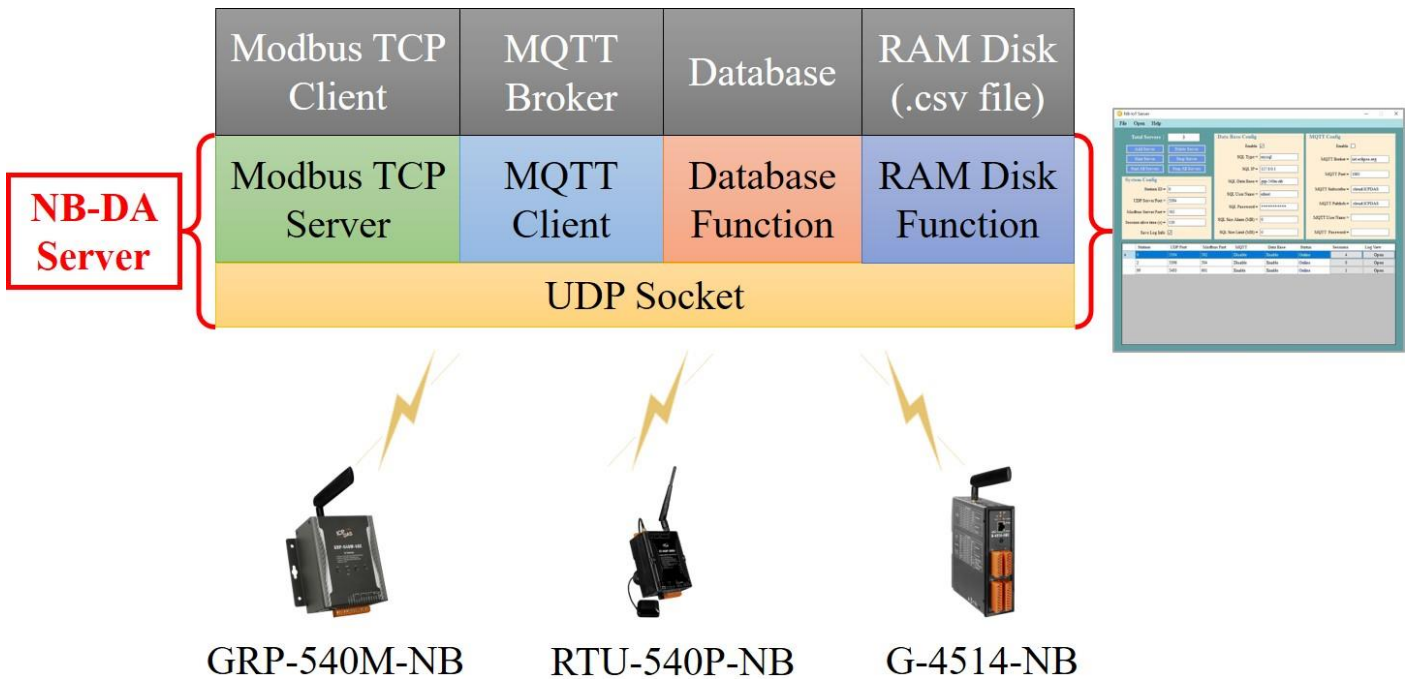
If you have any problem, please feel free to contact us.
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Email : service@icpdas.com

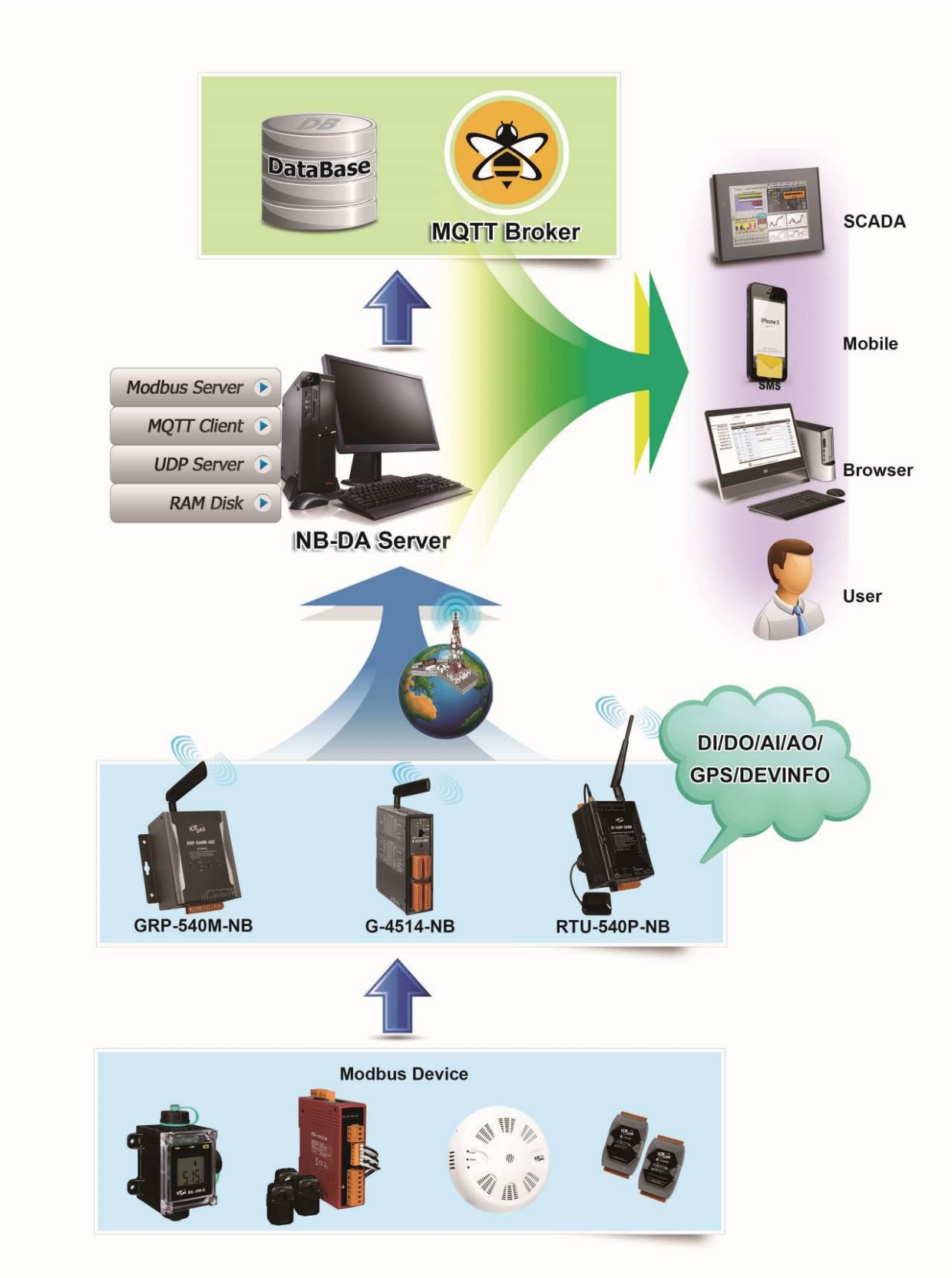
1. Introduction

1.1 NB DA Server

The NB-DA Server provided by ICP DAS is an IoT (Internet of Things) management software that has a strong core technology for handling data and lets the user save the trouble of dealing with large IO data. The NB-DA Server support RTU-540P-NB, GRP-540M-NB, etc., in ICP DAS that allow users to manage these devices remotely. It can monitor the local I/O data, local GPS data, and I/O data of Modbus devices. The NB-DA Server also support different protocol like UDP, Modbus and MQTT. Users can establish the remote system with MQTT broker or other SCADA software, even you could monitor and control the remote devices with Web form your mobile devices. That provides a multi-way to complete user's project.



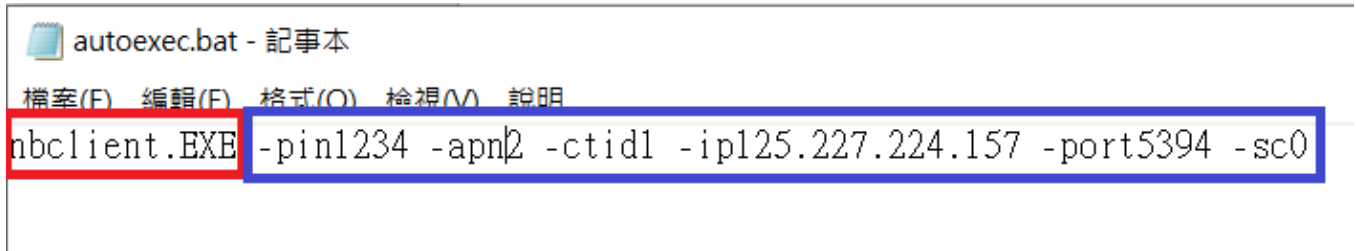
1.2 Application architecture



2. Parameter rules

autoexec.bat

NB Client is used with autoexec.bat to pass parameters. If not set correctly, registration failure will occur. Please confirm the parameter settings carefully to prevent registration and connection problems.



```
nbclient.EXE -pin1234 -apn2 -ctid1 -ip125.227.224.157 -port5394 -sc0
```

Header :

File to be executed. Please note capital letter and lowercase letter.

Parameter :

※Put space in front of each parameter.

-pin :

Write pin code. Fixed 4 digits.

Example : -pin1234

※If not have pin code , can not use this parameter.

-apn1 :

Write Internet.iot to APN. This APN is for Chunghwa Telecom sim card use.

Example : -apn1

※Cannot be used with apn2.

※Fixed use.

-apn2 :

Write Internet to APN. This APN is for Other telecommunications provider sim card use.

Example : -apn2

※Cannot be used with apn1.

※Fixed use.

-u :

APN Username.

※If not have username , can not use this parameter

-pw :

APN Password.

※If not have password , can not use this parameter

-ctid :

In order to connect to the server, need to create socket. When creating socket, need to use a Session ID to indicate which channel to send.(Session ID Range is 0~1999)

Example : -ctid1

※Fixed use.

-ip :

Remote Server IP. Please confirm that is a fixed IP, otherwise will not be able to connect successfully.

Example : -ip125.227.224.157

※Fixed use.

-port :

Remote Server Port. Please confirm port is open, otherwise will not be able to connect successfully.

Example : -port5394

※Fixed use.

※Same of Station ID

-sc :

Sim card service type. Please check sim card is what service type, otherwise will not be able to registration success.

MDM-4001-AU :

0 : GSM

2 : UTRAN

3 : GSM W/EGPRS

4 : UTRAN W/HSDPA

5 : UTRAN W/HSUPA

6 : UTRAN W/HSDPA and HSUPA

7 : E-UTRAN

MDM-4400 :

0 : GSM

8 : LTE Cat-M1

9 : LTE Cat-NB1

Example : -sc0

※Fixed use.

3. Revision History

| Revision | Date | Author | Description |
|----------|------------|--------|-----------------|
| 1.0.0 | 2019/08/29 | Amon | Release version |