



SIM7600_SIM7800 Series_SGMII_LAN_Applica tion Note

LTE Module

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Document Title:	SIM7600_SIM7800 Series_SGMII_LAN_Application Note
Version:	3.00
Date:	2021.11.19
Status:	Released

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About Document

Version History

Version	Date	Owner	What is new
V2.00	2020.8.6	Yuanzhi Sun	Update document format
V3.00	2021.11.19	Haotian Wang	Update document format

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1 Introduction

1.1 Purpose of the document

Based on module AT command manual, this document will introduce SGMII LAN application process. Developers could understand and develop application quickly and efficiently based on this document.

1.2 Related documents

[1] SIM7500_SIM7600 Series_AT Command Manual

1.3 Conventions and abbreviations

In this document, the GSM engines are referred to as following term:

ME (Mobile Equipment);

MS (Mobile Station);

TA (Terminal Adapter);

DCE (Data Communication Equipment) or facsimile DCE (FAX modem, FAX board);

In application, controlling device controls the GSM engine by sending AT Command via its serial interface.

The controlling device at the other end of the serial line is referred to as following term:

TE (Terminal Equipment);

DTE (Data Terminal Equipment) or plainly "the application" which is running on an embedded system;

2 SGMII_LAN Introduction

2.1 Overview

Customer can get useful information about SIM7600/SIM7800 SGMII-LAN function quickly through this document. The function could easily be realized by AT command interface provided in SIM7600 series module via USB interface.

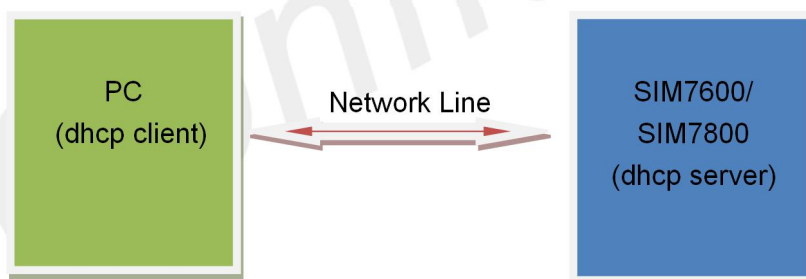
Scope: SIM7600CE-AT/SIM7800

2.2 Work Mode Introduction

There are three modes: LAN mode, wan mode, static IP mode.

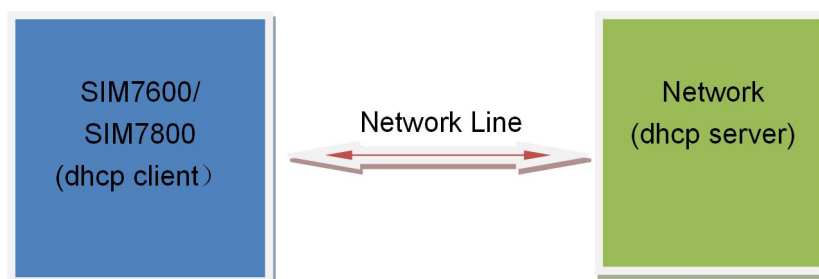
LAN mode:

SIM7600/SIM7800 assign ip address to PC



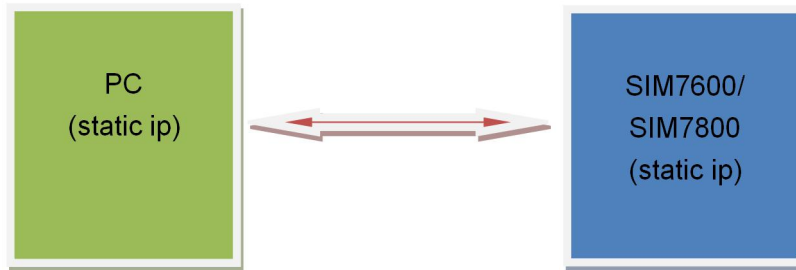
WAN mode:

SIM7600/SIM7800 obtain ip address by DHCP client through SGMII LAN



static IP mode:

SIM7600/SIM7800 with no DHCP client or server, Need to set static IP



3 AT Commands for SGMII_LAN

Command	Description
AT+CLANMODE	Set LAN mode Parameter
AT+CLANCTRL	Set LAN Control Configure

For detail information, please refer to “SIM7600 Series_AT Command Manual”.