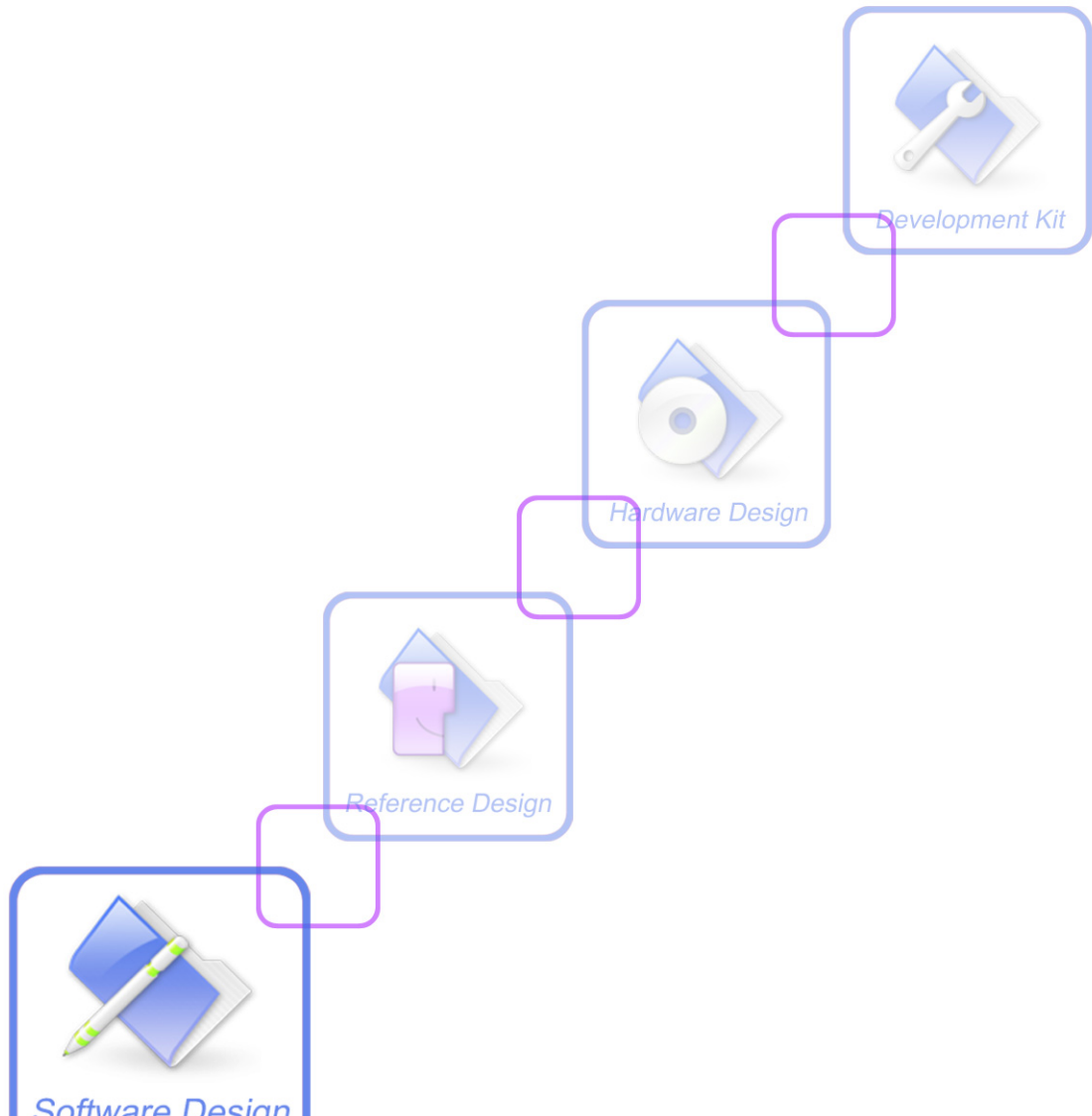




SIM7600

Series_HSIC_LAN_Application_Note_V1.00



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Version History

Version	Chapter	Comments
V1.00	New Version	

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1. Introduction

1.1 Overview

Customer can get useful information about SIM7600 HSIC-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-A/SIM7600CE-T/SIM7600E-H/SIM7600JC-H/SIM7600A-H/
SIM7600SA-H/SIM7600I.

LAN9730 overview:

- Single Chip HSIC USB 2.0 to 10/100 Ethernet Controller
- Integrated 10/100 Ethernet MAC with Full-Duplex Support
- Integrated 10/100 Ethernet PHY with HP AutoMDIX Support
- Integrated USB 2.0 Hi-Speed Device Controller
- Integrated HSIC Interface
- Implements Reduced Power Operating Modes

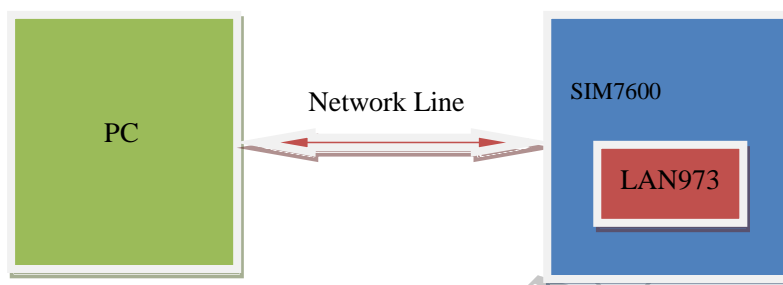
SIM7600 use hsic interface to connect with LAN9730. Customer can use it to get network. There are two modes supported. Wan mode and LAN mode. Customer can use AT command to change the mode.

1.2 Work Mode Introduction

There are two modes: wan mode and LAN mode.

Wan mode diagram:

PC use the SIM7600 to get network through network line.



LAN mode diagram:

SIM7600 use LAN9730 to get network.



2. AT command Introduction

2.1 AT+CENABLELAN=(0,1)

LAN9730 is not opened in default, if want to open the LAN9730, you can run `at+cenableLAN=1`. After run this command, the module will restart automatically, then the LAN9730 will be opened. If want to close the LAN9730, you can run `at+cenableLAN=0`. After run this command, the module will restart automatically, then the LAN9730 will be closed.

2.2 AT+CLANMODE=(0,1)

Module works in wan mode in default. If want to use LAN mode, need to run `at+cLANmode=0`, after run this command, module will restart automatically, then the module will work in LAN mode. If module works in LAN mode now, then customer want to change to wan mode. You can run `at+LANmode=1`. After run this command, module will restart automatically, then the module will work in wan mode.



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