The very compact size and economical power consumption makes the Una Module a highly flexible solution for applications related to voice and data communication.

The GPRS Class 10 Una module is designed for ultra-low cost Machine to Machine (M2M) applications, capable of running customer’s application parallel to GSM/GPRS. Another application for the Una Module is in a Low Cost Phone.

SMS Data Systems offers a unique service by integrating customer’s software into the Una module, providing a best fit solution.

The Una is based on the NXP SySol 5130 chipset, a proven NXP Semiconductors Nexperia design.
Module Key Features

Two Band GSM ¹
Hardware configured, one low and one high band may be preselected.
- Low Band: GSM850 or EGSM
- High Band: GSM1800 or GSM1900

GPRS:
- Mobile class: B
- Multi-slot class 10
- ETSI standard release 97
- 2 PDP contexts

AT commands:
- Standard AT commands
- Customized AT commands

Supported Voice Codecs:
- HR, FR, EFR, AMR-AFS, AMR-AHS

Message Services:
- Short Message Service (SMS)
- SMS over circuit switch
- SMS over GPRS
- SMS cell broadcast (SMSCB)
- EMS

Porting of customer application

¹ For customer flexibility any combination of one LB and one HB in the customized product can be preselected.

Support for TTY equipment
B/W or Color Display
Keyboard: 27 Keys
Handsfree
Optional Cell Lock mechanism
Optional MobileTalky feature²

² SMSD proprietary Mobile Device to Mobile Device direct (network independent) GSM-RF connection mode.

Specifications

Connectivity / Interfaces:
- 2x UART
- 11 available GPIOs
- DAI Interface
- I2C
- System Connector: 60 pins
- BlueTooth expandable with NXP PCD87752/UAA3558
- NFC Expandable

Battery charging:
- Support for external battery charging of Li-ion, NiMH, NiCd technologies
- Constant current, constant voltage (CCCV) method

Physical size: 65.8 mm x 37.2 mm x 4 mm
Operating temperature range: -40°C to +80°C
Power supply voltage range: 3.3V - 4.5V DC
SIM (release 97):
- 1.8V and 3V technology
- SIM Toolkit application (release 97)