

iWOW TR-900

Simple Connectivity Platform, multiple Configurations

Designed with a strong software platform, TR-900 is open to multiple configurations, offering greater flexibility in catering to customers' specific application requirements. This robust module features firmware stacks such as TCP/IP, UDP/IP, and FTP. TR-900 also comes with iCOMM Services Manager stacks to provide simplicity in connectivity, basic algorithm functions for remote usages and security add-on. Optional services such as embedded programming providing a versatile and flexible platform to facilitate customers' application designs and development.

TR-900 has an extended temperature range and an enhanced power management with selectable operation mode for power sensitive and demanding M2M applications. With a comprehensive support infrastructure, the TR-900 module is designed with industry-leading performance, unrivalled upgradeability and a robust platform for easy development of customised applications.

Key Specifications

Quad-band for global coverage

GPRS Multislot Class 12

Low power consumption

Integrated connectivity stacks



Key Features & Benefits

- Quad-band feature enables seamless communication on a global platform.
- Value-added protocol stacks like iCOMM Service Manager, embedded programming simplify the data transfer process.
- Comprehensive support infrastructure to support you in all stages from product acquisition to implementation and after-sales.
- Global regulatory compliances at modular level to ease the process and lower the cost of final product certification.

Discover more about the TR-900 at www.iWOW.com.sg or contact us at sales@iWOW.com.sg

Product Specifications

General Information

Quad-band :GSM 850/EGSM900/DCS1800/PCS1900
Compliant to ETSI GSM Phase 2/2+ standard
Size: 38mm x 31mm x 3.5mm
Weight: < 6.4 g
ROHS and REACH Compliant
Host Protocol:
AT Commands compliant to GSM 07.05, GSM 07.07 & GSM 07.60
Normal Operating Temperature: -20°C to +55°C
Extended Operating Temperature: -40°C to +85°C

Data Features

Mobile Station Class B
Multi-slot Class12
Coding Schemes CS1 - CS4
PBCCH Support
PCCCH Support
Embedded TCP/IP and UDP/IP
CMUX : GSM 07.10 Multiplexing Protocol

GSM Audio / Voice Features

Telephony
Emergency Call
Half Rate (HR), Full Rate (FR) & Enhanced Full Rate (EFR)
Adaptive Multi Rate (AMR)
Hands-free Operation
Echo Cancellation
Noise Reduction
Dual Tone Multi Frequency Function

GSM Supplementary Services

Call Forwarding
Call Barring
Multiparty
Call Waiting, Call Hold
Unstructured Supplementary Services Mobile Originated Data (USSD)
Calling Line Identification Restriction (CLIR)
Closed User Group (CUG)
Advice of Charge (AOC)

Interface

UMC Antenna Connector and Antenna Pad
Embedded SIM Pad / SIM holder (Optional)
60-pin Board-to-Board Connector:
Power Supply
Back-up Battery
SPI with 2 Addresses
2-Wire Bus
Keyboard
1 Serial Link
USB 2.0
3V/1.8V SIM
SIM Detection
GPIOs
Analog to Digital Converter
Digital/ Analogue Audio
Battery Charging