M95, Quad-band GSM module, is one of the smallest cutting-edge products in the world. It adopts LCC package technology and offers the highest reliability and robustness. Depending on the ultra tiny configuration of 19.9x23.6x2.65mm and easier soldering process, it is capable of being embedded in almost all customer applications.

Featuring an industrial-standard interface, M95 delivers GSM/GPRS performance for SMS, Data and Voice with extremely low power consumption and extended temperature. Extraordinarily compact size and integrated protocols ensure M95 easily meet the requirements of all M2M applications, including VTS, Industrial PDA, Personal Tracking, Wireless POS, Smart Metering and many other M2M applications.

- One of the smallest Quad-band GSM/GPRS modules
- Easier soldering process with LCC package
- Embedded Class-AB amplifier
- Power consumption below 1mA
- Embedded powerful Internet service protocols, multiple Sockets & IP addresses
M95
Quad Band GSM/GPRS Module

General Features
Quad Band 850/900/1800/1900 MHz
GPRS Multi-slot Class 12, 1~12 configurable
GPRS Mobile Station Class B
Compliant with GSM Class 4
Phase 2/2+ (2W @850/900 MHz)
Supply Voltage Range 3.3~4.6 V 4.0V nominal
Low Power 0.9mA @DRX=5
Consumption 0.7mA @DRX=9
Operation Temperature -40 °C ~ +85 °C
Dimensions 19.9mm × 23.6mm × 2.65mm
Weight Approx. 3g
Control via AT commands (GSM 07.07 ,07.05 and other enhanced AT Commands)

Specifications for Fax
Group 3, Class 1& 2

Specifications for Data
GPRS Class 12 Max. 85.6 kbps (uplink & downlink)
PBCCH Support CS 1, 2, 3, 4
Coding Schemes CSD Up to 14.4 kbps
USSD Protocols PPP, TCP
Protocols UDP, FTP HTTP, MUX

Specifications for Voice
Speech Codec Mode Half Rate (HR)
                    Full Rate (FR)
                    Enhanced Full Rate (EFR)
                    Adaptive Multi-Rate (AMR)
Echo Arithmetic Echo Cancellation
                    Echo Suppression
                    Noise Reduction

Interfaces
SIM/USIM 3V/1.8V
UART 2 interfaces
Analog Audio Channel 2
RTC Backup Embedded Class-AB amplifier
Antenna Pad

Specifications for SMS
Point-to-point MO and MT
SMS Cell Broadcast
Text and PDU Mode

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