



MLB-S-65-DC



PT. FUSI LIBERTI INFOSINDO
We design and Support Electrical, Communication & IT Components
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- Quad-band 850/900/1800/1900 Mhz
- GPRS multi-slot class 12
- Built-in TCP/IP Stack
- Access Internet by AT Commands
- Support Java™
- Fax functionality
- RS232 Interface



MLiS MLB-S-65-DC dengan Cinterion TC65i *wireless engine* adalah modem GSM/GPRS yang beroperasi dalam frekuensi Quad band (850/900/1800/1900 Hhz) sehingga bisa digunakan diseluruh dunia. Dukungan kemampuan *High-speed data transfer* GPRS kelas 12, Built-in TCP/IP stack dan open platform Java™ menjadikan modem tipe ini sangat ideal untuk aplikasi *machine to machine* (M2M).

Pengguna bisa mengembangkan aplikasi M2M-nya sendiri dengan akses langsung ke prosessor dan memory modem, konsep open platform ini akan mempercepat dalam implementasi sebuah sistem baru tanpa harus memualai dari nol. Dukungan *Over The Air* (OTA) manjadikan update aplikasi maupun firmware dapat dilakukan dengan sangat mudah melalui jaringan GPRS.

Sebagai jaminan kualitas, produk MLiS MLB-S-65-DC telah mendapat sertifikat dari institusi international (CE0681) maupun lokal (14552/Postel/2010).

MLiS MLB-S-65-DC sangat cocok digunakan dalam aplikasi M2M cerdas seperti:

- Automatic Meter Reading (AMR)
- Fleet Management
- Wireless Alarm
- Remote Monitoring
- Mobile Computing, dll



Automotive



Vending



Security



AMR



Telemetry

MLB-S-65-DC

General Features

- Quad-Band GSM 850/900/1800/1900 Mhz
- GSM release 99
- **Output power:**
 - Class 4 (2 W) for EGSM850
 - Class 4 (2 W) for EGSM900
 - Class 1 (1 W) for GSM1800
 - Class 1 (1 W) for GSM1900
- Control via AT commands (Hayes 3GPP TS 27.007 and 27.005)
- SIM Application Toolkit (release 99)
- TCP/IP stack access via AT commands
- Internet Service: TCP, UDP, HTTP, FTP, SMTP, POP3
- Power Supply +9Vdc to 30Vdc
- **Power Consumption:**
 - Sleep mode: typ. 13mA
 - Idle mode: typ. 25mA
 - GPRS class 12 (average) 320 mA
- **Temperature range:**
 - Normal Operation: -30°C to +70°C
 - Auto-switch off at +80°C
- **Dimensions:**
 - Dimensions: 21 x 75 x 65 mm
 - Weight: 90 g
 - Chassis Material: Aluminium

Special features

- Character framing 7E1 and 8E1 at serial interface
- Programmable module reset
- SIM Access Profile integrated

Interfaces

- Sub-D9 RS232 9 pins (Female)
- SMA 50 Ohm antenna connector female
- Enclosed slide-in SIM Cards +3V and 1.8 V
- Manual Reset
- Status LED

Accessories:



Antenna



PSU



Kabel Data

Specifications

Specification for GPRS data transmission:

- GPRS class 12 max 85.6 kbps
- Mobile Station class B
- PBCCH support
- Coding schemes CS 1~ 4
- Full PBCCH Support
- PPP Stack

Specification for CSD data transmission:

- Up to 14.4 kbps
- V.110
- Non-transparent mode
- USSD support

Specification for SMS:

- Point-to-point MO and MT
- SMS cell broadcast
- Text and PDU mode

Specification for Fax

- Group 3, class 1

Specification for Voice:

- Triple-rate codec for HR, FR, and EFR
- Adaptive multi-rate AMR
- Basic hands-free operation
- Echo cancellation
- Noise reduction

Java™ features:

- CLDC 1.1 HI
- J2ME profile IMP-NG
- Secure data transmission with HTTPS, SSL and PKI

Open application resources:

- ARM © Core, blackfin © DSP
- Memory: 400 KB (RAM) and 1.7 MB (flash)
- Improved power-saving modes

Over-the-air update:

- Application SW: OTAP
- Firmware: FOTA (OMA compliant)

Approvals

- R&TTE, FCC, UL, IC, GCF, PTCBR, CE
- Dirjen Postel Depkominfo

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