M2M modem

GPRS/GSM MODEM
Horsed in a rugged metallic casing

Speed up GPRS/GSM Integration

Wireless Modules

The C55i Terminal is a robust unit with integrated Quad-Band GPRS/GSM functionality. It allows your products to immediate offer the full benefits of GPRS/GSM technology, such as permanent online connections plus cost-efficient, high-speeds data transmission. The C55i Terminal can be used with a wide range of applications, such as:

- Metering
- Fleet management
- Traffic control
- POS terminals
- Vending machines
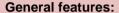- Freight tracking
- Security systems
- Remote monitoring

Just plug & play: Accelerate development and implementation by simply plugging the C55i Terminal into your products. It is backwards-compatible with the C55i Terminal and offers additional features.

C55i Terminal

C55i Terminal - the fastest way to get high-speed wireless voice and data communication

The **ultra compact** Quad-Band C55i Terminal has all the right industrial interfaces for GPRS,CSD data, voice, SMS and Fax applications. It can be powered by a wide range of voltages. A built-in SIM card reader makes it easy to plug the C55i Terminal into your applications.

inside

CINTERION
WIRELESS MODULES

General features:
- Quad-Band GSM 850/900/1800/1900 MHz
- GPRS multi-slot class 10
- Compliant to GSM phase 2/2+
- Output power:
  - Class 4 (2W) for EGSM850
  - Class 4 (2 W) for EGSM900
  - Class 1 (1 W) for GSM1800
  - Class 1 (1W) for GSM1900
- Control via AT commands
- SIM Application Toolkit
- TCP/IP stack access via AT commands
- Internet Services: TCP,UDP,HTTP,FTP,SMTP, POP3
- Power save mode
- Supply voltage range 5...28 V
- Dimensions: 52 x 54 x 25 mm
- Weight: 100 g
- Ambient temperature: -20 °C ... +60 °C

Specifications for GPRS data transmission:
- GPRS class 10:max 86kbps (DL)
- Mobile station class B
- PBCCH support
- Coding schemes CS 1- 4

Specification for CSD data transmission:
- Up to 14.4 kbps
- V.110
- Non-transparent mode
- USSD support

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

Specification for fax:
- Group 3, class 2 and class 1

Specifications for audio:
- Half rate (HR)
- Full rate (FR)
- Enhanced full rate (EFR)
- Basic hands-free operation
  - Echo cancellation
  - Noise reduction

Interfaces:
- Plug-in power supply
- Mini-SIM card reader
- Antenna connector SMA (Female)
- V.24/V.28 interface on the 9-terminal sub-D socket (Standard)
- V.24/V.28 interface on the15-terminal sub-D socket with 2 x Port Serial inteface (Optional)
- mini USB interface (Optional)
- Operating status LED

Order Information:

Specifications for data transfer:
- Full PBCCH support
- CSD up to 14.4 kbps
- USSD
- Non transparent mode
- V.110
- Coding scheme CS1, 2, 3, 4

Additional features:
- Phone book
- Multiparty call
- Call diverting
- Real-time clock
- Alarm management
- Several ringing tones
- DTMF (Dual Tone Multi Frequency)