

**SIEMENS**

M20 Terminal  
Cellular Engines

# Siemens M20 Terminal

Top Performance for  
modern Communication.



# The Multitalent – Siemens M20 Terminal.

## Siemens M20 Terminal

Once more Siemens has demonstrated outstanding expertise in the development of key GSM communication components. The Siemens M20 Terminal has everything you expect from a high-quality communication device: state-of-the-art M20 technology, industrial interfaces, integrated SIM card reader and broad voltage range. It offers everything you need for ease of implementation and control. The Siemens M20 Terminal is the ideal solution for mobile and stationary industrial applications in telemetry, telematics and telephony. It's functions are fully compatible with those of all cellular engines. The main features and specifications are given in the following list. More detailed information is available on request.

### GSM services

- TS11 Voice (Full Rate & Enhanced Full Rate, DTMF)
- TS12 Emergency call
- TS22 SMS Mobile Originated (SMS MO) Text Mode and PDU Mode
- TS21 SMS Mobile Terminated (SMS MT)
- TS23 SMS Cell Broadcast
- TS62 Fax Group 3 / Class 1
- BS24/25/26 2.400, 4.800, 9.600 bit/sec transparent/  
non-transparent (RLP)  
V.42bis data compression

### Technical Data

- Dimension (l×w×h)  
107×63,5×31,3 mm
- Weight 145 g
- Mean current

	Speech mode	Idle mode
at 12V:	< 200mA	< 45mA
at 24V:	< 100mA	< 35mA

- Temperature range -20 °C to +55 °C
- GSM 900 Phase II
- Power Class 2W/ Class 4
- Sensitivity -108 dBm (Wide radio coverage)
- Approval according class "normal Mobile Station"
- Mounting from top/ bottom



### Hardware Interfaces

- Single input voltage (8 to 28.8V DC) on the 6-pin Western connector
- V.24/V.28 interface on the 9-terminal Sub-D socket
- FME antenna connector
- Mini-SIM card reader, integrated
- Studio audio interface (600 Ohm) on the 6-pin Western connector
- Ignition lead on the 6-pin Western connector
- Handset audio interface on the 4-pin Western connector

### Software Interfaces

- Software interface with commands as per AT-Hayes, GSM07.07 and GSM07.05.

### Special features

- Echo suppression
- DTMF Functions
- Operating status LED
- Telephone book handling
- Networkpersonalisation

### Support services

- CLIP Calling Line Identification Presentation
- CLIR Calling Line Identification Restriction
- CFU Call Forwarding Unconditional
- CFB Call Forwarding on Mobile Subscriber Busy
- CFNRy Call Forwarding on No Reply
- CFNRc Call Forwarding on Mobile Subscriber Not Reachable

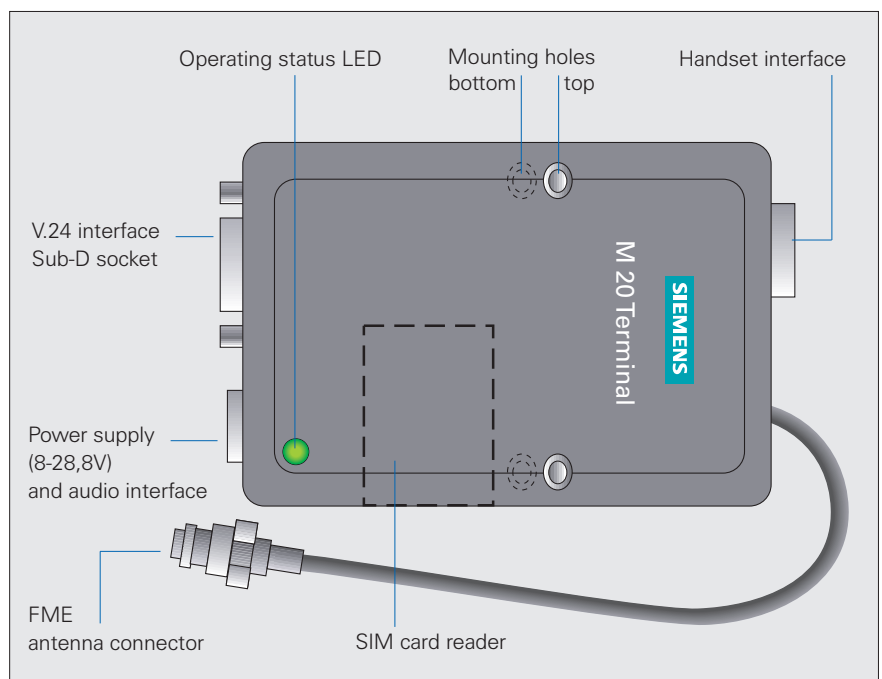
- AoC Advice of Charge
- BAOC Barring of All Outgoing Calls
- BOIC Barring of All Outgoing International Calls
- BOICexHC like BOIC except those directed to the Home PLMN Country
- BAIC Barring of All Incoming Calls
- BICRoam like BAIC when Roaming Outside the Home PLMN Country
- COLP Connected Line Identification Presentation
- CW Call Waiting
- CH Call Hold
- MTPy Multi Party Service
- USSD Unstructured SS data

### Peripheral devices

- Antennas, SIM cards, modem cable, power supply units to be obtained on the open market.

### Internet:

[www.siemens.de/gsm\\_e](http://www.siemens.de/gsm_e)



Interface overview Siemens M20 Terminal

Issued by  
Information and Communications Products  
Hofmannstrasse 51, D – 81 359 Munich

Siemens Aktiengesellschaft

Subject to availability and technical modification

Order-No. A31001-W21-A84-X-7600  
Printed in the Federal Republic of Germany  
SB 010010.

Particularly environmentally friendly paper  
50% recycled  
50% chlorine-free bleached





Zu beziehen über :

---

[www.oppermann-telekom.de](http://www.oppermann-telekom.de)

Jan Oppermann  
Hauptstraße 34a  
D-06507 Friedrichsbrunn/Harz

Telefon :  
039487-552

Fax :  
039487-236