



Combiset GSM 900/1800

Order no.: 7720.4071x

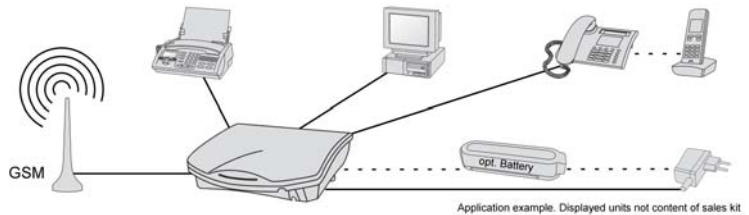
Cellular Local Loop Terminal for analogue Phones, analogue Fax and Data via GSM900/1800 / GPRS

Data Sheet

V1.01

March 07

The only thing your customers need to access your network is this little terminal. It enables your customers to use their existing analogue telephones, fax machines over your network or access Internet via a PC. If only everything were as simple as the CLL Terminals from InnoCOM.



Key features

- Telephony
- Dial tone
- DTMF-tones
- CLIP
- System tones (the status of the Interface and progress of functions are signalled by a set of tones)
- Parameter settings via DTMF key strokes
- Easily accessible Chip Card Reader for full size SIM-Card (adapter for Mini-SIM available)

Power

- Primarily supply voltage 90 – 264 VAC
- DC operating voltage 9 - 12V
- Reverse polarity protection
- Over voltage protection – 50VDC

Antenna

- RF plug (SMR nano) for antenna connection

Call Control

- Incoming calls (voice and fax)
- Provide ring signal
- Comfort tone
- Call barring
- Confirmation tone
- Fax tones according to Group 3 class 1 specifications

Visual Indicators

- power status
- network connection
- fax connection

Fax

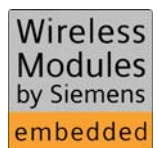
- Analogue Fax interface (RJ11) Group 3 class 1, pre-installed

Interfacing

- GSM Interface (900 and 1800 MHz)
- 2 Watt Maximum output power 900 MHz
- 1 Watt Maximum output power 1800 Mhz
- Two port analogue interface (one for voice, one for fax)
- a/b feed voltage 28 V for off-hook and 45 V on-hook
- a/b feed current 26 mA for off-hook and 3 mA max. on-hook
- Maximum line length 500 m
- Ring signalling level – 85 Vrms into 4kOhm load
- USB 1.0 data interface

Optional

- Backup battery (minimum. 2h talk time, 24 h stand-by)
- external antennas



Note:

The combiset is available for different kind of application with appropriate of sales kits:
For an application in cars, an antenna adapter for commercial FME GSM antennas instead of the paste up antenna and a DC cable instead of the mains power supply is included.

Type:

| Order no.: | Analogue Fax | Content of sales kit: | GSM channel | 900 MHz | 1800 MHz |
|------------|--------------|----------------------------------------------------------------------------------------------------------------|-------------|---------|----------|
| 7720.40710 | X | Combiset equipment, 90-240V power supply unit, USB cable, software CD, manual, magnet antenna, TAE F/N adapter | 1 | X | X |
| 7720.40712 | X | Combiset equipment, DC cable, USB cable, software CD, manual, FME antenna adapter, TAE F/N adapter | 1 | X | X |

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We reserve the right to make changes and improvements without prior notice.

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Technical specifications:

| | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Operation mode: | Trunk line (a/b) for analogue telephone equipment |
| Operation Power | 9 V – 12 V DC |
| Power supply: | 9 V DC max 1 A, 110-240VAC / 50-60 Hz |
| Power consumption: | max. 300 mA idle mode max.. 0.9 A if channel is active |
| GSM Standard: | EGSM900/GSM1800 Phase 2 / 2+ |
| | Tx 890 – 915 MHz und 1710 – 1785 MHz Rx 935 – 960 MHz und 1805 – 1880 MHz |
| Voice codec: | (TS11 and TS12) Full Rate & Enhanced Full Rate, |
| Data/PC Fax: | CSD bis zu 14,4 kbps/USSD/non transparent mode/V.110 GPRS max. 85,6 kbps, Coding Scheme CS 1,2,3,4/full PBCCH support/MS class B |
| PC Fax | class 2 , Group 3 |
| Analogue Fax: | class 1 , Group 3, TS62 |
| SMS: | SMS (TS22, TS21 and TS23) via USB |
| RF output power: | max. 2 Watt / class 4 - EGSM 900, max. 1 Watt / class 1 - GSM 1800 |
| SIM card: | 3V SIM (full size card ISO ID-1) |
| Data interface: | USB 1.0, SMS, PC Daten |
| RF sensibility: | 108 dBm (at RF connector) |
| 2 wire interface /RJ11: | Power:40 VDC – max. 40mA |
| Ringing voltage: | 85 Veff , dial tone: 425 Hz |
| Antenna connector: | 50 Ohm Impedance, SMB plug |
| Dimensions: | 191 x 173 x 44 mm |
| Weight: | 0,355 kg (without power supply) |
| Operation temperature: | -5 °C to 50° C |
| Approvals: | EN 301 489-1 V1.5.1: 2004 (EMC), EN60950 Health and Safety, EN 301 511 Directive 99/5/EC (R&TTED) |

Accessoires:

| Order no.: | | Accessory |
|------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 9930.09015 |  | Power Save 300 UPS, 300VA/165 Watts. Protection against power failure, surge and power sag. |
| 9940.09011 |  | MiniMag antenna with SSMB nano |
| 9940.09014 |  | Paste up antenna 900/1800/UMTS, 2,15dBi, SSMB nano connector, 2 m cable RG174 |
| ADA-0004 |  | Adapter SSMB (Nano)-Male - 8cm - FME-Male |
| 9940.09006 |  | Yagi-external antenna 900/1800 MHz, 10/5 dB, 10m cable, with mast mounting kit (needs ADA-0004 adapter in addition) |
| 9940.09013 |  | Directional planar antenna 900/1800 MHz, 7dB, 2,5m cable, with mast mounting kit (needs ADA-0004 adapter in addition) |
| LTG-0015 |  | DC cable with low voltage plug, length 2m |

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