M9610 CS G1 / M9610 CM G1

Smart / Easy + G1 car mobile terminal



User benefits

- ✓ Voice and data transmission.
- Secure and digital communications in trunked, repeater, and direct modes.
- ✓ Wide coverage in direct BS connected mode.
- ✓ Car radio installation, on the dashboard or as car radio.
- ✓ Data terminal connection possibility for database access.

Functions

- ✓ Fully digital.
- ✓ High voice quality and data encryption.
- ✓ Works in direct BS connected mode.
- ✓ Access to all M9600 network features:
 - group or individual calls, emergency calls, direct mode, status,
 - > data transmission, short messages, user priority management, etc.
- ✓ SMS transmission and reception (V35 only).





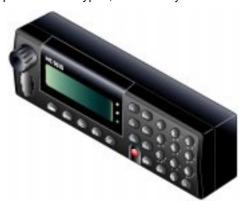
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Components and interfaces

The control panel is available in 2 configurations depending on the user's requirements

M9610 CS G1: Smart: 25 keys: alphanumeric keypad, function keys and one emergency key, fully backlit.



✓ M9610 CM G1: Easy +: 9 function keys and one emergency key, fully backlit.

Equipment included (dimensions: H/W/D mm):

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Smart control panel: 48/172/51 or

Easy + control panel: 48/172/51



Extraction device



Microphone - loudspeaker



Microphone support



Transceiver: 43/220/158



In these two configurations, a microphone with remote functions such as push-to-talk is connected to the control panel.





Some features appearing on this data sheet depend on the software version used

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Additional essential elements to be ordered separately

- CAR INSTALLATION KIT: two types of support are available depending on the vehicle configuration
 - M9610 IK1 G 1: DIN car installation kit, for installing the control panel as a car radio.



DIN car support: 53/182/61



7.5 m cable



BER bracket 56/235/225

M9610 IK2 G 1: Car dashboard installation kit fitted on top of the dashboard



Dashboard holder 87/208/45



7.5 m cable



BER bracket 56/235/225

ANTENNA KIT: M9610 AN G1 or supplied by the customer

Options to be ordered separately

- M9610 AA 15W G1: Pair of 15 W loudspeakers (equips two car terminals)
- M9610 GPS: On-board vehicle location system (AVL)
- M9610 C CV G1: Discreet car kit

Technical specifications

Applicable standards:

Keyboard:

Operating mode:

Power supply:

Consumption (A):

Transmission

Reception

Tetrapol PAS & EN 300-113-2

Display: 3 lines / 16 characters

Backlit

on the model

4 A max

0.5 A max

"Trunked" mode

25 or 9 keys, depending

Power: Frequency stability

10 W Better than ±2.5 ppm Better than -36 dBm

TX Wide band noise

Spurious emissions

High S.W.R. (standing-

Radio specifications:

Better than -87 dBm

Adjacent channel power

Transmitter

Better than -60dBc Automatic reduction of

BS connected mode wave ratio) Direct mode

radiated power

Access mode: 13.2 V DC

FDMA

Transmission type

Half duplex (BS connected mode)

Data interface:

Simplex (direct mode) V24/V28 4.8&9.6 kb/s

Audio specifications:

Vocoder:

Free fall (gooseneck,

hand controller and

Receiver

Static sensitivity Dynamic sensitivity Adjacent channel selectivity

Spurious response Better than 70dB

rejection

Spurious radiation Better than -57 dBm Blocking Better than 115 dB

Better than -119 dBm

Better than -111 dBm

Better than 60dB

Frequency band (MHz)

380-430 and 440-470 MHz sub-bands

Other bands on request

Duplex separation: Up to 20 MHz

10 or 12.5 kHz Channel spacing: Bandwidth: Up to 5 MHz Modulation: 0.25 GMSK Channel bit rate: 8 kb/s Technology: Fully digital **Encryption:** End to end

desktop support)





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Environmental specifications (CEI standards)

Standard Severity

Cold -30°C Humid heat +40°C/95%RH

Storage temperature: CEI 68-2 Dry heat $+70^{\circ}\text{C/30\%RH}$ Cold -40°C

Dry heat

CEI 68-2

Humid heat cycle: +25°C / 98% RH +55°C/93%RH

+60°C/30%RH

Dust and water protectionCEI 529IP54 (BER and bracket with cables)Saline protectionCEI 68-2(Transceiver and support with cables)Free fallCEI 68-2Height = 0.5 m on concreteVibration (functional):CEI 68-2Bump, random and sinusoidal vibrationsBumps (functional):CEI 68-230 g/6ms, 1000/axis & direction

Conformity with other standards

Operating temperature:

CE marking in accordance with directive R&TTE 1999/5/CE EN 300 113-2 (radio standard) e marking in accordance with car directive 95/54/CE ETS 300 279 (CEM Standard) EN 60950 (Electrical safety standard)



