

MC 9635 C G1

Fixed Radio Terminal MC 9635 CS-CM G1



Functionalities

- | Fully digital.
- | High quality voice & data encryption.
- | Operates in both BS connected and direct modes.
- | Access to all advanced MATRACOM 9600 network features:
 - group or individual calls, emergency calls, direct mode, status,
 - data transmission, short messages, user priorities management and more.

MC 9635 Fixed Radio Terminal Version 3.0 28/04/00 Some features presented on this data sheet depend on the software version used

MC 9635 C G1

Environmental specifications (IEC STD TESTING)

Standard	Severity
Operating temperature :	IEC 68-2 Dry heat +40°C/30%RH Cold 0°C Humid heat +40°C/93%RH
Storage temperature :	IEC 68-2 Dry heat +70°C/30%RH Cold -40°C Humid heat cycle: +25°C/98%RH +55/90%RH
Free fall (gooseneck, control head & desktop holder)	IEC 68-2 Height = 1m on concrete
Vibration (functional) (transceiver):	IEC 68-2 Bump, random & sinusoidal vibrations
Bump (functional) (transceiver) :	IEC 68-2 25g/6ms, 1000 axis & direction

Also meets

Mil 810 C, D & E Specification
CE label conform to European directives 89/336/CE (EMC) & 73/23/CE (Electrical Safety)

Components & interfaces

- 1 3 lines/16-character DOT matrix display.
- 1 Backlighting of both display and keypad.
- 1 Lockable keyboard.
- 1 100-number directory.
- 1 100-status list.
- 1 Call forwarding and call transfer.
- 1 25 - key control head: digital keypad function & emergency keys, all backlit.

Equipment data (dimensions: HxWxD mm)



Control panel : 48/172/51



Casing: 450/540/83

Desktop holder: 87/208/45

Transceiver:40/220/158

Desktop plate: 15/210/48 Control head to transceiver cable
Gooseneck microphone:
20x160x100

MC 9635 Fixed Radio Terminal Version 3.0 28/04/00 Some features presented on this data sheet depend on the software version used

MATRA NØRTEL
COMMUNICATIONS

MC 9635 C G1

Technical specifications

Applicable standards:

Tetrapol PAS & ETSI ETS 300-113

Display: 3 lines/ 16 characters Backlit

Keypad: 25 keys

Operating mode: Trunked mode Repeated mode Direct mode

Power source: 220V/110V 50/60 Hz

Consumption (A): 0.5 A under 220 V AC1 A under 110 V AC

Radio specifications:

Transmitter

Power 10W Frequency stability better than $\pm 2,5$ ppm Spurious emissions lower than -36 dBm

Adjacent channel better than -60 dBc power

Access mode: FDMA

Transmission type: Half duplex (BS connected mode)
Simplex (direct mode)

Data interface: V24/V28 9.6 kbps

Audio specifications:

Loudspeakers (optional) 15W Vocoder: RP-CELP

Receiver

Sensitivity better than -118 dBm

Adjacent channel selectivity better than 60 dB

Spurious response rejection better than 70dB

Spurious radiation better than -57 dBm

Frequency band (MHz)

Sub bands between 380 and 512 MHz

Duplex separation: 10 MHz **Channel spacing:** 12.5 kHz **Modulation:** 0.25

GMSK Channel bit rate: 8 Kbit/s **Technology:** Fully digital **Encryption** End-to-end

MC 9635 Fixed Radio Terminal Version 3.0 28/04/00 Some features presented on this data sheet depend on the software version used

MATRA NØRTEL
COMMUNICATIONS