

RADIO NETWORK CONTROLLER (MANET)

RADIO COMMUNICATION AND DATA EXCHANGE SYSTEMS

RNC-8201



- Executes functions of a multi-hopping dynamic IP network according to STANAG 4691 ANNEX A
- Possess an integrated IP traffic manager function

The RNC-8201 Radio Network Controller performs the functions of a multi hopping dynamic IP network according to STANAG 4691 ANNEX A.

These are in particular:

- automatic identification of neighbouring nodes and distributing of information about them in the network,
- network organization,
- operations within the "ad-hoc" network,

- providing authenticated data by using the ARQ protocol,
- dynamic bandwidth allocation (number of TDMA channels) based on the reported requirements,
- transfer of motion in a multi hopping topologies network.

Furthermore the device performs traffic management functions limiting the need of signal data transfer via radio network. The RNC-8201 radio network controller possess an integrated IP traffic manager function.





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TECHNOLOGIES UNDER CONTROL



RADIO NETWORK CONTROLLER (MANET)

RNC-8201

GENERAL

| | |
|---------------|-----------|
| Power Supply: | 230V 50Hz |
| Power Input: | max. 15W |

ENVIRONMENTAL SPECIFICATIONS

| | |
|------------------------|---|
| EMC Compatibility: | NO-06-A200 in terms of procedures: KCE-02, KRE-02, KCS-01, KCS-06, KRS-02. |
| Operating Temperature: | 0°C to +45°C |
| Storage Temperature: | -10°C to +55°C |
| Relative Humidity: | max. 95% |

DIMENSIONS

| | |
|---------------|------------|
| W×H×D in mm: | 483×247×44 |
| Weight in kg: | 2.2 |
| Mounting: | Rack 19" |

EQUIPPED WITH CONNECTORS

| |
|---|
| Full gun USB master connector |
| USB slave remote control connector |
| Ethernet RJ-45(IP, telnet, http) Data and control connector |
| RS232 data connector |
| Remote RS232 connector |
| RS232 service connector |
| GPS antenna's connector |
| Connector for external GPS receiver |