

LINK 11 (DTS) SYSTEM MODEM

RADIO COMMUNICATION AND DATA EXCHANGE SYSTEMS

MLA-1101



- HF (2÷24MHz) and UHF (225÷400MHz) frequency range
- Ensures full coverage of the whole area within the radius of 300 miles
- Provides the transmission of commands, reports and additional data related to the command process

The LINK 11 console uses the frequency range starting from HF (2÷24MHz) to UHF (225÷400MHz) and ensures full coverage of an area within the radius of 300 miles. It provides the transmission of commands, reports and additional data related to the command process of in armed forces.

LINK 11 can also be used for communication with communication system nodes that exchange data within other link types (e.g. LINK 11B), allowing the creation of a uniform tactical data exchange system.

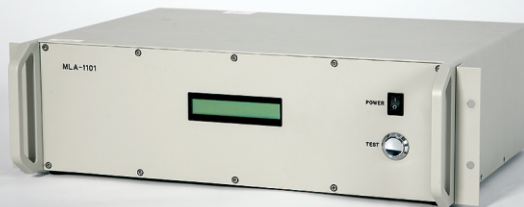
The MLA-1101 modem is dedicated to work with the LINK 11 subsystem terminal as a DTS (Data Terminal Set) device. The MLA-1101 modem enables data exchange within the LINK 11 system and co-operates with automatic data exchange and tactical situation display LINK 11 system components.





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TECHNOLOGIES UNDER CONTROL



LINK 11 (DTS) SYSTEM MODEM

MLA-1101

GENERAL

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

ENVIRONMENTAL SPECIFICATIONS

| | |
|------------------------|----------------|
| EMC Compatibility: | NO-06-A200 |
| Operating Temperature: | 0°C ÷ +50 °C |
| Storage Temperature: | -10°C ÷ +70 °C |
| Relative Humidity: | 98% (+35 °C) |

AUDIO INTERFACES

| | |
|---------------|---------------------------|
| Quantity: | 2 pieces (600 Ω) Balanced |
| Narrowband: | 415Hz ÷ 3050Hz |
| Input level: | -22dBm ÷ +10dBm |
| Output level: | -3dBm ÷ +10dBm |

DIMENSIONS

| | |
|---------------|-------------|
| W×H×D in mm: | 483×375×132 |
| Weight in kg: | 8 |
| Mounting: | Rack 19" |

EQUIPPED WITH CONNECTORS

| |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AUDIO 1 connector – to work with HF and UHF radio stations |
| AUDIO 2 connector– to work with HF and UHF radio stations |
| DATA OUT connector – for receiving data from the TDS device of the LINK 11 system or cryptographic device |
| DATA IN connector – for transmitting data to the TDS device of the LINK 11 system or cryptographic device |
| DATA AUX connector – Auxiliary connector for future use, such as to cooperate with the cryptographic device in the data transmission |
| REMOTE connector – to work with a PC with the RLA-9101 working application for the management and maintenance of the modem |
| 10T ETH connector – to work with a PC with the RLA-9101 working application for the management and maintenance of the modem via Ethernet consistent with the 10 Base T standard |
| SPLIT-SITE 1 connector – to work with other MLA-1101 modems in the split-site mode during data transmission and controlling cooperation of MLA-1101 modems through wire line interface consistent with RS-232C |
| SPLIT-SITE 2 connector – to work with other MLA-1101 modems in the split-site mode during data transmission and controlling cooperation of MLA-1101 modems through wire line interface consistent with RS-232C |
| CLK connector – for the calibration of the reference frequency |
| Power connector |