RS232 to Ethernet converter for MB3d

SEISMO WAVE

- *Remote retrieval of miniSEED files through secure FTP access*
- *Very low consumption*
- *Up to 64 GB memory (years of data!)*
- *Light and highly resistant*

Technical specifications

2 operating modes:

Stand-alone mode

The box retrieves the data every hour via the serial link of the MB3d and stores them in an internal memory. User data recovery is made through a secure SFTP access with a personal login and password. A daily tree structure is created archiving the miniSEED and health status files.

Download speed: less than 1 min for 1 GB at 32 MBps

Streaming mode

The box performs a direct conversion of the serial communication on an Ethernet network. All the functionalities offered by the MB3d remain accessible to Dionisos software (parameter setting, sending commands, streaming, data downloading...etc).

Download speed: 30 min for 1 GB at 115200 bds ("Memory Management" tab under Dionisos software)

⇥ Electrical Interfaces ⇤

- 1 x 18 pts Fischer connector specific to the MB3d

- 1 x Molex RJ45 female connector (IP67) with a CAT5 cable (maximum communication distance of the Ethernet cable: 100 meters between each repeater with a CAT5 cable.)

- 2 x wires 1.5 mm² available for 12V power supply (a specific connector can be added according to the customer's needs)

Memory: 8 GB extensible to 64 GB with SD memory card

Low consumption: In stand-alone mode, the MB3d set with IP box consumes 130 mA under 12V (~1.5 W).

Weight / dimensions : 0,9kg / 115 mm x 90 mm x 50 mm

Environmental specifications:
- Operating temperature: -20°C to +50°C
- Protection Class IP66

Data are not contractual and given as a guide only

Data sheet RS232 to Ethernet converter for MB3d _ 06012020 _ Seismo Wave