

DATA SHEET

LMF4 (Code 3604)

Link module for 4 subsystems with USB 2.0, IEEE 1394b (FireWire®) and Gbit Ethernet (10/100/1000 Base T)



Overview

The link module LMF4 serves as a central processing unit if several signal modules are to be combined into a system.

Due to its 4 link inputs, the LMF4 can be connected to a maximum of 32 signal modules, which are divided into four groups with eight modules each (subsystems).

The signals are synchronized by the link module and passed to the computer via USB 2.0, IEEE 1394b (FireWire®) or Gbit Ethernet (10/100/1000 Base T).

Features

- Link module for 4 subsystems (32 modules; max. 768 channels)
- USB 2.0 target
- IEEE 1394b (FireWire®)
- Gbit Ethernet (10/100/1000 base T)
- Highly precise synchronization of the incoming signals
- Calibration of the signal modules being combined to one system

Scope of Supply

- LMF4 (Code 3604)
Link module for 4 subsystems with USB 2.0, IEEE 1394b (FireWire®) and Gbit Ethernet (10/100/1000 Base T)
- FireWire® cable
- LAN cable

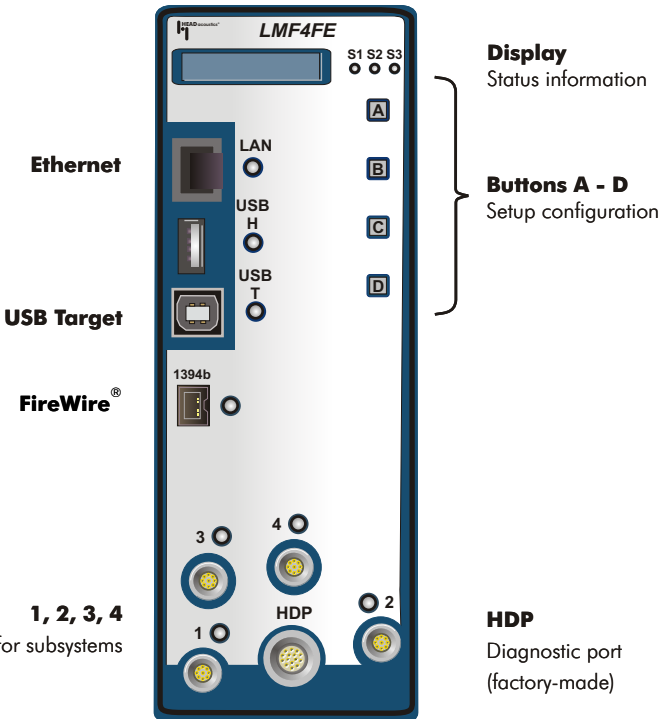
Accessories (optional)

- PWD (Code 3651)
9-36 V DC power adapter for the DATaRec 4 series
- PWH9 (Code 3652)
12 - 36 V DC power adapter for the DATaRec 4 series

- PWAC (Code 3650)
90 - 130 V, 180 - 260 V AC power adapter for the DATaRec 4 series
- DSM (Code 3690)
DATaRec 4 Seat Mount
Seat Mount for DATaRec 4 systems

Software (optional)

- HEAD Recorder (Code 4630)
Programmable recorder software
- ArtemiS (Code 4600)
Analysis software



Technical Data LMF4

Bit rate:	Max. 600 MBit/s
Link interfaces:	4
Data transmission link bit rate:	1,04 GBit/s
Sustained interface bit rate	
Gbit Ethernet:	Max. 600 Mbit/s
IEEE 1394b:	Max. 180 Mbit/s
USB 2.0:	Max. 180 Mbit/s
Computer interfaces:	IEEE 1394b USB 2.0 Gbit Ethernet (10/100/1000 Base T)
Cable length per subsystem:	Max. 50 m (1968.5")
Cable length between two modules:	Max. 10 m (393.7")
RTC:	Battery-powered
Time accuracy:	20 ppm
Measurements:	70.1 x 184 x 124.5 mm (2.76" x 7.24" x 4.9") (width x height x depth)
Weight:	1.1 kg (2.4 lb), typical
Cooling system:	Fan, automatic control
Power consumption:	Max. 30 W
Supply voltage:	10 to 36 V DC
Special features:	Low power control for the input voltage
Supply unit:	Link connection
Vibration:	5 g (0.011 lb)
Shock:	10 g (0.022 lb)
Operating temperature:	
Stand-alone module:	-20° C to +70° C (-4° F to 158° F)
Link chain system:	-10° C to +55° C (14° F to 131° F)
Storage temperature:	-40° C to +90° C (-40° F to 194° F)
Humidity:	0 - 95 % relative, not condensing