

# ETH-FLAN

## Fibre Optic Ethernet Module



### Overview

The ETH-FLAN provides conversion of FO to copper Ethernet, which allows high speed data transmission.

An integrated 10/100BaseT Ethernet switch enables the use of your distributed networked devices over a FO cable.

ETH-FLAN design is based on high grade industrial components and it is manufactured according to highest quality standards.

ETH-FLAN is an efficient long distance cable link solution between any GeoSIG instrument or computer.

### Key Features

- ▶ 100BaseFX and 10/100Base T(X) ports
- ▶ Converts copper Ethernet to FO
- ▶ Up to 4 km or more in multimode operation
- ▶ Point-to-point, and ring applications
- ▶ Robust metal housing

### Specifications

Standards: IEEE 802.3 for 10BaseT  
IEEE 802.3u for 100BaseT(X) and 100BaseFX

FO connector(s): 1 x multimode SC (ETH-FLAN-1)  
2 x multimode SC (ETH-FLAN-2)

FO cable: OM1

Ethernet connector(s): 4 x RJ45 (ETH-FLAN-1)  
6 x RJ45 (ETH-FLAN-2)

Ethernet cable: CAT5E or CAT6

#### Power

Voltage: 12 to 48 VDC

Consumption: Typically less than 5W

#### Environment / Housing

Dimensions: 300 x 200 x 120 mm,  
optional DIN rail mountable  
135 x 105 x 54 mm,  
optional external housing dimensions  
defined per project  
< 800 g

Weight:

Temperature

Operating:

Storage:

Index of

protection:

-40 °C to +75 °C

-40 °C to +85 °C

IP30,

optional IP65 external housing

\* In instrument photo up top the housing on the left is standard and on the right is in IP65 housing. Housing type, size and inlets are typical and can differ per project.