



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: -40 °C to +75 °C
Storage: -40 °C to +85 °C
Index of protection: 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.