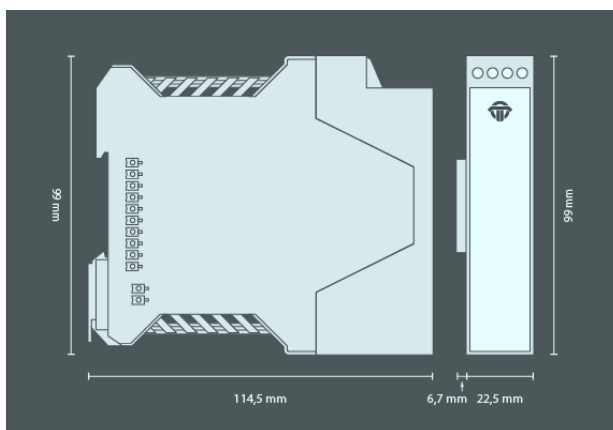# isNet Lite
Ethernet Communication Module

The isNet Lite is an Ethernet gateway in a compact modular housing. It can be used for multiple purposes of remote monitoring and control. Depending on the application the isNet Lite is always used together with one or more fieldbus modules, where the isNet Lite is always the head module. Up to five different fieldbus modules can be connected, the modules can be freely combined. The modules are intended for use in industrial environments, they are mounted on a DIN rail, fans were deliberately omitted.

On Ethernet, the module supports the protocols PROFINET, Modbus TCP and HART over IP. Along with the various fieldbus modules, almost any gatewayssuch as PROFINET to PROFIBUS PA, HART to Modbus TCP or Ethernet to FOUNDATION Fieldbus can be realized. Simultaneous access from e.g. a PROFINET controller together with parameter access via FDT of an engineering workstation will of course also be supported. So the PROFINET controller can exchange process data from a field device while simultaneously a PC can read or write device parameters.

Technical details	isNetLite
Interface	RJ 45 (Ethernet)
Controller	ARM9 32Bit 400 MHz
RAM	32 MB
Flash	256 MB
Transmission rate	Ethernet/PROFINET/MODBUS 10 Mbit/s – 100 Mbit/s
Power supply	19,2 - 30V DC, max 4A
Power consumption	1,1W (typ.) ... 1,5W (max)
Max. buffer time RTC	2h
LxWxH in mm	114,5 x 22,5[1] x 99
Weight	140 g
Wire size	0,5 mm^2 ... 2,5 mm^2/ AWG 20 ... AWG 12 [4]
Temperature range	- 40° C <= T$_{amb}$ <= 70° C / - 40° F <= T$_{amb}$ <= 158° F
Storage temperature	- 40° C <= T$_{amb}$ <= 85° C / - 40° F <= T$_{amb}$ <= 185° F
Pollution degree	2
Altitude	up to 2000 m
Driver software	Windows XP, Vista, 7, 8, 10
Delivery content	Hardware, Manual on CD
Order code	19300-0101

[1] Dimensions without lateral plugs
[4] Cable entries and field wiring must be suitable for an operating temperature of at least +20°C above ambient.

99 mm

99 mm

114,5 mm   6,7 mm   22,5 mm

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