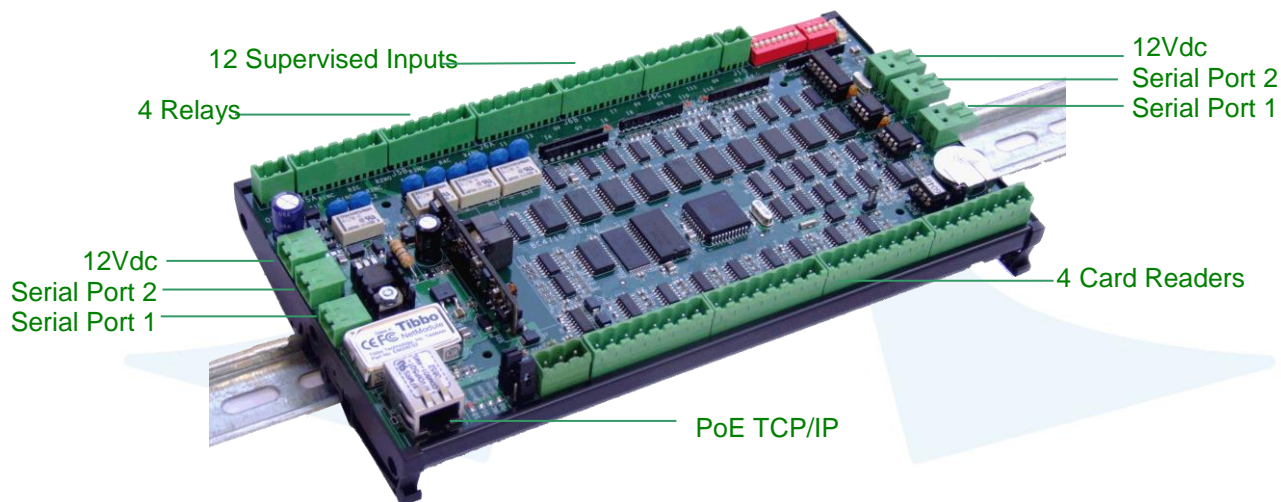











TPL-DR-PoE, access and alarm PoE controller for DIN rail installations



								
up to 44,000	4	4	12	4/52	up to 47,000	2	on-board (option)	yes

Overview

The TPL-DR-PoE provides the advantage of easy installation on DIN rails, while being powered directly from the network.

The TPL-DR-PoE is designed for high security environment and combines access control and real time alarm monitoring for both medium-sized projects and more sophisticated multi-sites installations.

Benefits

This PoE controller does not require external power supply; it is powered directly over the Ethernet network via the TCP/IP cable, thanks to its on-board PoE 12W power supply (if such a power is delivered by the network, standard IEEE802.3af). This on-board PoE power supply powers the TPL-DR and its 4 readers, as well as a second controller (not PoE) and its 4 readers (with reader consumption of 50mA). Via its RS485 port, up to 31 other DDS controllers can be connected.

When the PoE option is not required, the controller can be powered via an external 12 V DC.

The TPL-DR controller is an ergonomic controller with standard dimensions (236 x 128 mm) for use on DIN rails or within 19" drawers.

The controller has 12 supervised inputs, 4 outputs (up to 52 outputs with satellites), 2 serial communication ports and 4 readers. Each reader gets its own LEDs (pass and fail), as well as a buzzer signal.

The TPL-DR-PoE exists in several configurations:

- TPL-DR Din Rail standard
- TPL-DR/IP with IP on board
- TPL-DR/PoE with PoE
- TPL-DR/PoE IP with PoE and IP on board

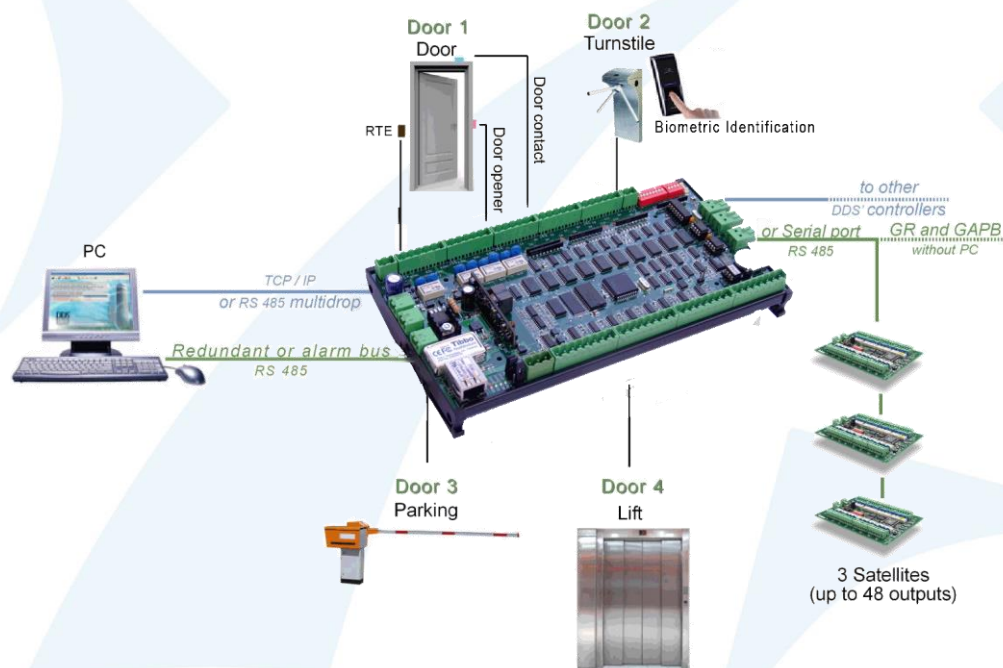
Those configurations are available for the TPL-DR (4 readers / 2 doors) and for the TPL-DR-D4 (4 readers / 4 doors).

High capacities are reached via the TPL's RAM dynamic allocation between card holders and events buffer. This allows getting maximal capacities of 44,000 card holders for the TPL-DR controller (4 readers/ 2 doors), 32,000 card holders for the TPL-DR-D4 controller (4 readers/4 doors) or 47,700 events in memory, according to the dynamical allocation of the on-board ROM.

Key features

- ▶ TCP/IP PoE on board IEEE802.3af (optional)
- ▶ Standard dimension fitting din rails and 19" drawer
- ▶ 4-reader / 2-door (TPL-DR) or 4-reader / 4-door (TPL-DR-D4)
- ▶ 12 supervised alarm inputs
- ▶ 4 relays (each with 3 outputs contacts), extendable to 52
- ▶ 512K RAM memory for operating database, backed by lithium battery to last for 10 years
- ▶ Up to 44K cardholders for the TPL-DR. (up to 32K cardholders for the TPL-DR-D4)
- ▶ Up to 47K events in buffer with RAM dynamic allocation
- ▶ 1 MB Flash memory for application firmware (downloaded from PC)
- ▶ 255 daily programs, 127 weekly programs
- ▶ 180 holidays and special days
- ▶ 255 reflexes (local & network)
- ▶ 2 serial ports (RS232/RS485 and optional second bus RS485)
- ▶ Redundant bus
- ▶ Global reflex and APB without PC via the second bus of communication
- ▶ Polling or event driven operation
- ▶ Autonomous decisions at the local level without Degradation
- ▶ Multi-technology: biometric, smart card, proximity, magnetic, etc.
- ▶ Speed from 4,800 to 38,400 Bauds
- ▶ Programmable communication encryption

Example of Architecture



Technical Specifications

Board dimension: 236x128 mm
Operating temperature: 0° C to +55° C
Storage temperature: -10° to +65° C
Operational humidity: 10 to 95% RH

Board weight: 250g
TPL-DR Working voltage: 12 VDC +/- 20% 150mA
TPL-DR-POE Working voltage: 12 VDC +/- 20% 450mA
Alarm input max voltage: +/- 30V
Approvals 